# CITY OF FIRTH (PWS 6060016)
# SOURCE WATER ASSESSMENT FINAL REPORT

**January 21, 2003**

## State of Idaho
## Department of Environmental Quality

## Executive Summary

Under the Safe Drinking Water Act Amendments of 1996, all states are required by the U.S. Environmental Protection Agency (EPA) to assess every source of public drinking water for its relative sensitivity to contaminants regulated by the act. This assessment is based on a land use inventory of the designated assessment area, sensitivity factors associated with the wells and aquifer characteristics.

This report, *Source Water Assessment for the City of Firth, Idaho* describes the public water system (PWS), the boundaries of the zones of water contribution, and the associated potential contaminant sources located within these boundaries. This assessment should be used as a planning tool, taken into account with local knowledge and concerns, to develop and implement appropriate protection measures for this source. **The results should not be used as an absolute measure of risk and they should not be used to undermine public confidence in the water system.**

The City of Firth (PWS # 6060016) is a community drinking water system that is located in Bingham County). The system consists of three well sources and one storage reservoir. The wells serve approximately 400 persons through 154 unmetered connections. The wells are manifolded together and are located in the same wellhouse that is adjacent to the storage reservoir. This assessment will focus on Well #1 and Well #2. Well #3 has not been delineated and will be appended to this document at a later date.

The potential contaminant sources within the delineation capture zones include aboveground storage tank (AST) sites, underground storage tank (UST) sites, leaking underground storage tank (LUST) sites, sand and gravel pits, dairies, and landfills. Also found were sites regulated under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), the Superfund Amendments and Reauthorization Act (SARA), the Resource Conservation Recovery Act (RCRA), the National Pollutant Discharge and Elimination System (NPDES), and the Toxic Release Inventory (TRI). Other sources identified that may contribute to the overall vulnerability of the water sources were the extensive irrigation canal systems and business within the delineated areas that may be considered potential contaminant sources. Additionally, Highway 26/91 and a railroad are transportation corridors that cross the delineation. If an accidental spill occurred from one of these corridors, inorganic chemical (IOC; i.e., nitrates) contaminants, volatile organic chemical (VOC; i.e., petroleum products) contaminants, synthetic organic chemical (SOC; i.e., pesticides) contaminants, or microbial (i.e., bacteria) contaminants could be added to the aquifer system. A complete list of potential contaminant sources is provided with this assessment (Appendix A).

For the assessment, a review of laboratory tests was conducted using the State Drinking Water Information System (SDWIS). Coliform bacteria were detected at various locations in the distribution system. The last detection of coliform bacteria in the distribution system was recorded in December 2000. The IOCs arsenic, fluoride, mercury, and nitrate have been detected in the drinking water, but at levels below the maximum contaminant levels (MCL) for each chemical as set by the EPA. Arsenic was detected at a concentration of 0.006 milligrams per liter (mg/L) in 2001. In October 2001, the EPA lowered the arsenic MCL to 0.01 mg/L, giving systems until 2006 to comply with the new standard. No VOCs or SOCs have been detected in the drinking water.

Final susceptibility scores for the City of Firth water system were derived from equally-weighted system construction scores, hydrologic sensitivity scores, and potential contaminant/land use scores. A low rating in one or two categories coupled with a higher rating in another category results in a final rating of low, moderate, or high susceptibility. With the potential contaminants associated with most urban and heavily agricultural areas, the best score a well can get is moderate. Potential contaminants are divided into four categories: IOCs, VOCs, SOCs, and microbial contaminants. As different wells can be subject to various contamination settings, separate scores are given for each type of contaminant.

In terms of final susceptibility, the wells rated high for IOCs, VOCs, SOCs, and microbial contaminants. The wells automatically received a high rating for VOCs and SOCs due to an underground storage tank located within 50 feet of the wells. System construction and hydrologic sensitivity was high for both wells. Potential contaminant inventory and land use scores rated high for IOCs, VOCs, and SOCs and moderate for microbials for both wells.

The capture zones for the wells intersect a priority area for the SOC atrazine. The organic priority area is where more than 25% of the wells in the area show levels greater than 1% of the primary standard or other health standards (MCL for atrazine is 0.003 mg/L). Atrazine is a widely used herbicide for control of broadleaf and grassy weeds.

This assessment should be used as a basis for determining appropriate new protection measures or re-evaluating existing protection efforts. No matter what ranking a source receives, protection is always important. Whether the source is currently located in a “pristine” area or an area with numerous industrial and/or agricultural land uses that require surveillance, the way to ensure good water quality in the future is to act now to protect valuable water supply resources. If the system should need to expand in the future, new well sites should be located in areas with as few potential sources of contamination as possible, and the site should be reserved and protected for this specific use.

An effective drinking water protection program is tailored to the particular local drinking water protection area. A community with a fully developed drinking water protection program will incorporate many strategies. For the City of Firth, drinking water protection activities should continue efforts aimed at keeping the distribution system free of microbial contaminants that may affect the drinking water quality. If microbial problems arise, the system may want to consider the addition of a disinfection system. In addition, drinking water protection activities should focus on correcting any deficiencies outlined in the sanitary survey (an inspection conducted every five years with the purpose of determining the physical condition of a water system’s components and its capacity). The wells should maintain sanitary standards regarding wellhead protection. Also, any new sources that could be considered potential contaminant sources in the wells' zones of contribution should also be investigated and monitored to prevent future contamination. No potential contaminants (pesticides, paint, fuel, cleaning supplies, etc.) should be stored or applied within 50 feet of the wells. The water system should remove the UST that is presently adjacent to the wellhouse of Well #1 and Well #2. The UST could be replaced with one that is at least 50 feet from the wellhouse and complies with current federal UST regulations. Another option that should be investigated is converting the generator to operate using natural gas instead of diesel fuel. Land uses within most of the source water assessment area are outside the direct jurisdiction of the City of Firth. Therefore, partnerships with state and local agencies, and industrial and commercial groups should be established to ensure future land uses are protective of ground water quality. Educating employees and the public about source water will further assist the system in its monitoring and protection efforts.

Due to the time involved with the movement of ground water, drinking water protection activities should be aimed at long-term management strategies even though these strategies may not yield results in the near term. A strong public education program should be a primary focus of any drinking water protection plan. Public education topics could include household hazardous waste disposal methods and the importance of water conservation to name but a few. There are multiple resources available to help water systems implement protection programs, including the Drinking Water Academy of the EPA. Drinking water protection activities for agriculture should be coordinated with the Idaho State Department of Agriculture and the Bingham County Soil and Water Conservation District. As major transportation corridors intersect the delineation (such as Highway 26/91), the Idaho Department of Transportation should be involved in protection efforts.

A system must incorporate a variety of strategies in order to develop a comprehensive drinking water protection plan, be they regulatory in nature (e.g. zoning, permitting) or non-regulatory in nature (e.g. good housekeeping, public education, specific best management practices). For assistance in developing protection strategies please contact the Pocatello Regional Office of the Idaho Department of Environmental Quality or the Idaho Rural Water Association.

# SOURCE WATER ASSESSMENT FOR CITY OF FIRTH, COUNTY, IDAHO

## Section 1. Introduction - Basis for Assessment

The following sections contain information necessary to understand how and why this assessment was conducted. **It is important to review this information to understand what the ranking of this source means.** A map showing the delineated source water assessment area and the inventory of significant potential sources of contamination identified within that area are contained in this report. The list of significant potential contaminant source categories and their rankings used to develop this assessment is also attached.

### Level of Accuracy and Purpose of the Assessment

The Idaho Department of Environmental Quality (DEQ) is required by the U.S. Environmental Protection Agency (EPA) to assess over 2,900 public drinking water sources in Idaho for their relative susceptibility to contaminants regulated by the Safe Drinking Water Act. This assessment is based on a land use inventory of the delineated assessment area, sensitivity factors associated with the wells, and aquifer characteristics. All assessments must be completed by May of 2003. The resources and time available to accomplish assessments are limited. Therefore, an in-depth, site-specific investigation to identify each significant potential source of contamination for every public water supply system is not possible. **This assessment should be used as a planning tool, taken into account with local knowledge and concerns, to develop and implement appropriate protection measures for this source. The results should not be used as an absolute measure of risk and they should not be used to undermine public confidence in the public water system (PWS).**

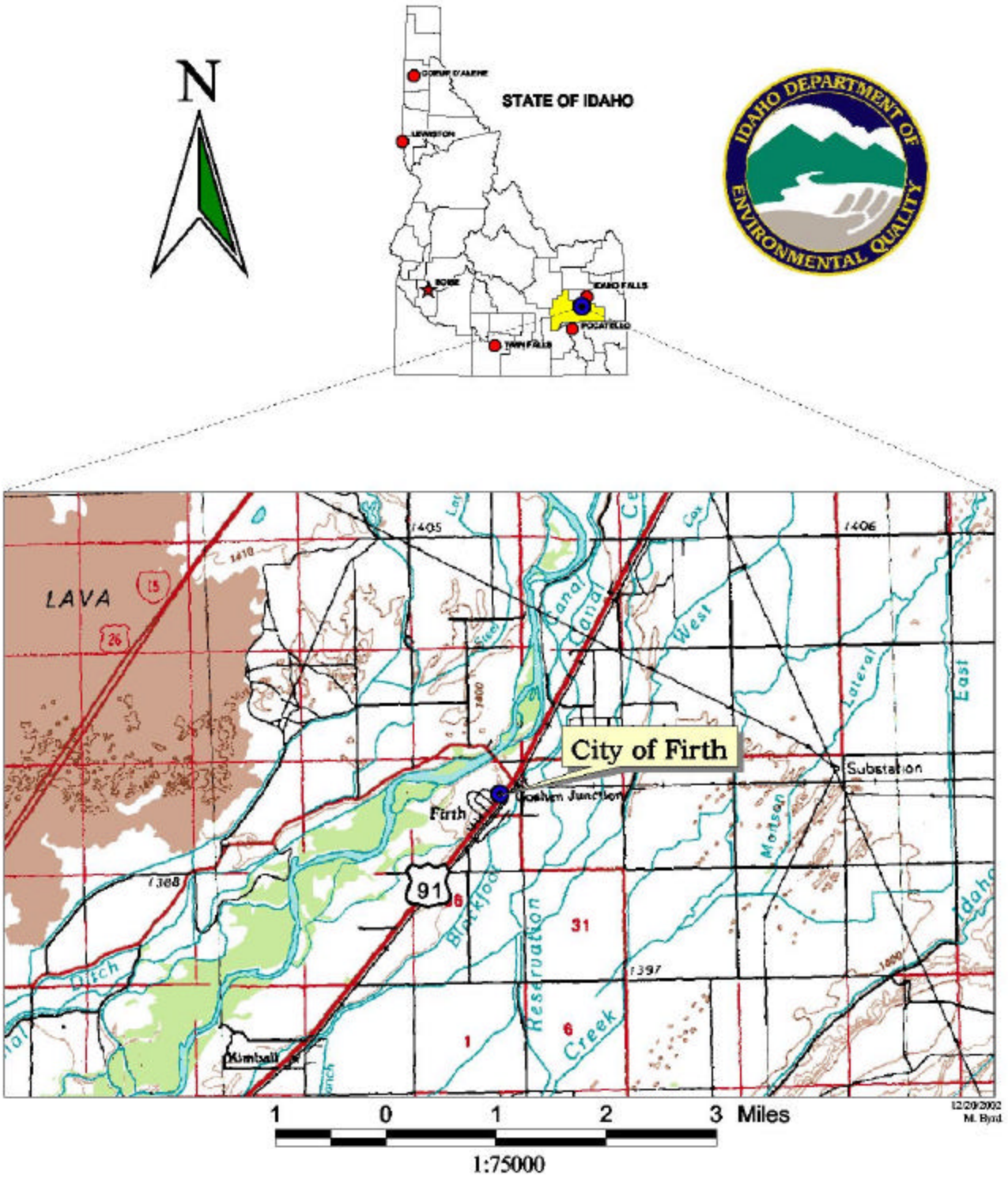
The ultimate goal of the assessment is to provide data to local communities to develop a protection strategy for their drinking water supply system. DEQ recognizes that pollution prevention activities generally require less time and money to implement than treatment of a public water supply system once it has been contaminated. DEQ encourages communities to balance resource protection with economic growth and development. The decision as to the amount and types of information necessary to develop a drinking water protection program should be determined by the local community based on its own needs and limitations. Wellhead or drinking water protection is one facet of a comprehensive growth plan, and it can complement ongoing local planning efforts.

## Section 2. Conducting the Assessment

### General Description of the Source Water Quality

The City of Firth (PWS # 6060016) is a community drinking water system that is located in Bingham County (Figure 1). The system consists of three well sources and one storage reservoir. The wells serve approximately 400 persons through 154 unmetered connections. The wells are manifolded together and are located in the same wellhouse that is adjacent to the storage reservoir. This assessment will focus on Well #1 and Well #2. Well #3 has not been delineated and will be appended to this document at a later date.

***Figure 1 - Geographic Location of City of Firth, Bingham County***



Coliform bacteria were detected at various locations in the distribution system. The last detection of coliform bacteria in the distribution system was recorded in December 2000. The inorganic chemicals (IOCs) arsenic, fluoride, mercury, and nitrate have been detected in the drinking water, but at levels below the maximum contaminant levels (MCL) for each chemical as set by the EPA. Arsenic was detected at a concentration of 0.006 milligrams per liter (mg/L) in 2001. In October 2001, the EPA lowered the arsenic MCL to 0.01 mg/L, giving systems until 2006 to comply with the new standard. No volatile organic chemicals (VOCs) or synthetic organic chemicals (SOCs) have been detected in the drinking water.

**Defining the Zones of Contribution--Delineation**

The delineation process establishes the physical area around the well that will become the focal point of the assessment. The process includes mapping the boundaries of the zone of contribution into time-of-travel (TOT) zones (zones indicating the number of years necessary for a particle of water to reach a pumping well) for water in the aquifer. Washington Group International (WGI) was contracted by DEQ to define the public water system's zones of contribution. WGI used a refined computer model approved by the EPA in determining the 3-year (Zone 1B), 6-year (Zone II), and 10-year (Zone III) TOT for water associated with the East Margin Area of the Eastern Snake River Plain (ESRP) hydrologic province in the vicinity of the City of Firth. The computer model used site-specific data, assimilated by WGI from a variety of sources including well logs (when available), operator records, and hydrogeologic reports. A summary of the hydrogeologic information from the WGI report is provided below.

**Hydrogeologic Conceptual Model**

The East Margin Area encompasses 821 square miles, representing approximately 8 percent of the total area of the ESRP hydrologic province. The majority of the East Margin Area is within Bingham County, with small areas occurring in Bannock, Bonneville, and Power counties.

The regional ESRP aquifer is the most significant aquifer in the East Margin Area and consists primarily of basalt of the Quaternary-aged Snake River Group. However, additional water-bearing units are used for water supply along the margin of the ESRP. In order of decreasing age, the most significant aquifers in the Michaud Flats area are bedded rhyolite (volcanic rock) of the Tertiary-aged Starlight Formation and Quaternary-aged gravels of a low relief plain formed by running water (pediment), basalt of the Big Hole Formation, and stream deposits of the Sunbeam Formation (see Jacobson, 1982, p. 7, and Corbett, et al., 1980, pp. 6-10). A few shallow domestic wells in the central Michaud Flats area also are completed in Michaud Gravel, which is the shallow water-table aquifer. The American Falls Lake Beds Formation (AFLB) confines the deeper aquifers and averages 80 feet in thickness in the central Michaud Flats area (Jacobson, 1984, p. 6). The AFLB pinches out in the eastern Michaud Flats area near the Portneuf River, effectively combining the shallow and deep stream deposits into a single water table aquifer (Bechtel, 1994, p. 2-2). Other aquifers in the East Margin Area include fractured quartzite that has been developed near Blackfoot, stream deposits near the cities of Firth and Basalt.

PWS wells in the East Margin Area of the ESRP province produce water from five different aquifers: the Regional Eastern Snake River Plain aquifer, three alluvial (or stream deposited) aquifers (Eastern Michaud Flats, Firth/Basalt, and Gibson Terrace/Pocatello Bench) and a quartzite aquifer (Blackfoot).

**Regional Eastern Snake River Plain Aquifer**

The ESRP is a northeast trending basin located in southeastern Idaho. The 10,000 square miles of the plain are primarily filled with highly fractured layered Quaternary-aged basalt flows of the Snake River Group, which are between (intercalated) layers of rocks formed by sediment deposition (sedimentary) along the margins (Garabedian, 1992, p. 5). Quaternary-aged basalts are estimated to be 100 to 1,500 feet thick, with the majority of the area in the range of 100 to 500 feet thick (Whitehead, 1992, Plate 3). Individual basalt flows range from 10 to 50 feet thick, averaging 20 to 25 feet thick (Lindholm, 1996, p. 14). Basalt is thickest in the central part of the eastern plain and thins toward the margins. Whitehead (1992, p. 9) estimates the total thickness of the flows to be as great as 5,000 feet. A thin layer (0 to 100 feet) of windblown and stream-produced sediments overlies the basalt. The plain is bounded on the northeast by rocks of the Yellowstone Group (mainly rhyolite) and Idavada Volcanics to the southwest. These rocks may also underlie the plain (Garabedian, 1992, p. 5). Granite of the Idaho batholith borders the plain to the northwest, along with sedimentary rocks and rocks changed by heat and/or pressure (metamorphic) (Cosgrove et al., 1999, p. 10). The Snake River flows along part of the southern boundary and is the only drainage that leaves the plain. A high degree of connectivity with the regional aquifer system is displayed over much of the river as it passes through the plain. However, some reaches are believed to be perched or separated from the main ground water by unsaturated rock, such as the Lewisville-to-Shelley reach. Rivers and streams entering the plain from the south are tributary to the Snake River. With the exception of the Big and Little Wood rivers, rivers entering from the north vanish into the basalts of the Snake River Plain aquifer that have a higher ability to transmit water.

The layered basalts of the Snake River Group host one of the most productive aquifers in the United States. The aquifer is generally considered unconfined, yet may be confined locally because of interbedded clay and dense unfractured basalt (Whitehead, 1992, p. 26). Whitehead (1992, p. 22) and Lindholm (1996, p.1) report that well yields of 2,000 to 3,000 gallons per minute (gpm) are common for wells open to less than 100 feet of the aquifer. Transmissivities obtained from test data in the upper 100 to 200 feet of the aquifer range from less than 0.1 square feet per second ($ft^2$/sec) to 56 $ft^2$/sec ($1.0x10^4$ to $4.8x10^6$ $ft^2$/day; Garabedian, 1992, p. 11, and Lindholm, 1996, p. 18). Lindholm (1996, p. 18) estimates aquifer thickness to range from 100 feet near the plain's margin to thousands of feet near the center. Models of the regional aquifer have used values ranging from 200 to 3,000 feet to represent aquifer thickness (Cosgrove et al., 1999, p.15).

Regional ground water flow is to the southwest paralleling the basin (Cosgrove et al., 1999; deSonneville, 1972, p. 78; Garabedian, 1992, p. 48; and Lindholm, 1996, p. 23). Reported water table gradients range from 3 to 100 feet/mile and average 12 feet/mile (Lindholm, 1996, p. 22). Gradients steepen at the plain's margin and at discharge locations. The estimated effective ratio of the rock's open space volume to its total volume range from 0.04 to more than 0.25 (Ackerman, 1995, p.1, and Lindholm, 1996, p.16).

The majority of aquifer recharge results from surface water irrigation activities (incidental recharge), which divert water from the Snake River and its tributaries (Ackerman, 1995, p. 4, and Garabedian, 1992, p. 11) and locally from canal leakage. Natural recharge occurs through stream losses, direct precipitation, and tributary basin underflow.

Aquifer discharge occurs primarily as seeps and springs on the northern wall of the Snake River canyon near Thousand Springs and near American Falls and Blackfoot (Garabedian, 1992, p.17). To a lesser degree, discharge also occurs through pumping and underflow.

The East Margin Area is among the most transmissive regions of the regional aquifer, therefore it has a higher ability to transmit water. A transmissivity of 21 $ft^2$/sec was used to represent the upper 200 feet of the regional aquifer in the East Margin Area in the three-dimensional U.S. Geological Survey (USGS) ground water flow model (Garabedian, 1992, Plate 6). The equivalent hydraulic conductivity or the rate at which water can move through permeable material is 9,072 feet per day (ft/day). This value is consistent with the range of hydraulic conductivity (9,500 to 11,708 ft/day) calculated using data from a constant-rate aquifer test conducted in 1981 (Jacobson, 1982, p. 23). This range was calculated by dividing the estimated transmissivity (228,000 to 281,000 $ft^2$/day) by the perforated interval of the observation well (24 feet). The geometric mean hydraulic conductivity based on analysis of specific capacity data from PWS wells (135 ft/day) is significantly lower.

A published water table map of the Upper Snake River Basin (IDWR, 1997, p. 9) indicates that the ground water flow direction in the ESRP aquifer in the East Margin Area is similar to that depicted at the regional scale (e.g., Garabedian, 1992, Plate 4).

Recharge from precipitation and surface water irrigation in the East Margin Area ranges from less than 10 to more than 20 inches per year (Garabedian, 1992, Plate 8). The low end of the range applies to the area near Blackfoot, while the high end applies to the area on the west side of American Falls Reservoir near Aberdeen.

Kjelstrom (1995, p. 13) reports an annual river loss of 280,000 acre-feet to the regional basalt aquifer for the 27.5-mile Lewisville-to-Shelley reach of the Snake River and 110,000 acre-feet for the 23.5-mile Shelley-to-Blackfoot reach. Annual river gains of 1,900,000 acre-feet for the 36.6-mile Blackfoot-to-Neeley reach are also estimated (Kjelstrom, 1995, p. 13). A seepage study conducted in the fall of 1980 on the Portneuf River showed a gain of about 560 cubic feet per second ($ft^3$/sec) (405,691 acre-feet) for the 13-mile Pocatello-to-American Falls Reservoir reach (Jacobson, 1982, p. 16). The average flow in the Blackfoot River near the city of Blackfoot is low at Station #13068500 (5.2 $ft^3$/sec; USGS, 2001) compared to the flow in the Snake River near the city of Blackfoot at Station #13069500 (2,900 $ft^3$/sec; USGS, 2001).

The City of Firth wells are completed, or assumed to be completed in the regional basalt aquifer. Sources of ground water recharge are from surface water irrigation canals in the area and precipitation. The delineated source water assessment area for the City of Firth extends approximately 16 miles in a northeasterly direction and is elongated and conical in shape (Appendix B). The actual data used by WGI in determining the source water assessment delineation areas are available from DEQ upon request.

**Identifying Potential Sources of Contamination**

A potential source of contamination is defined as any facility or activity that stores, uses, or produces, as a product or by-product, the contaminants regulated under the Safe Drinking Water Act. Furthermore, these sources have a sufficient likelihood of releasing such contaminants into the environment at levels that could pose a concern relative to drinking water sources. The goal of the inventory process is to locate and describe those facilities, land uses, and environmental conditions that are potential sources of ground water contamination. Field surveys conducted by DEQ and reviews of available databases identified potential contaminant sources within the delineation areas. The potential contaminant sources within the delineation capture zones include aboveground storage tank (AST) sites, underground storage tank (UST) sites, leaking underground storage tank (LUST) sites, sand and

gravel pits, dairies, and landfills. Also found were sites regulated under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), the Superfund Amendments and Reauthorization Act (SARA), the Resource Conservation Recovery Act (RCRA), the National Pollutant Discharge and Elimination System (NPDES), and the Toxic Release Inventory (TRI). Additionally, Highway 26/91 and a railroad are transportation corridors that cross the delineation.

It is important to understand that a release may never occur from a potential source of contamination provided best management practices are used at the facility. Many potential sources of contamination are regulated at the federal level, state level, or both to reduce the risk of release. Therefore, when a business, facility, or property is identified as a potential contaminant source, this should not be interpreted to mean that this business, facility, or property is in violation of any local, state, or federal environmental law or regulation. What it does mean is that the potential for contamination exists due to the nature of the business, industry, or operation. There are a number of methods that water systems can use to work cooperatively with potential sources of contamination, such as educational visits and inspections of stored materials. Many owners of such facilities may not even be aware that they are located near a public water supply source.

**Contaminant Source Inventory Process**

A two-phased contaminant inventory of the study area was conducted during November of 2002. The first phase involved identifying and documenting potential contaminant sources within the City of Firth source water assessment area through the use of computer databases and Geographic Information System (GIS) maps developed by DEQ. The second, or enhanced, phase of the contaminant inventory involved contacting the operator to validate the sources identified in phase one and to add any additional potential sources in the area. This task was undertaken with the assistance of Mr. Robert Dial. At the time of the enhanced inventory, Mr. Dial identified additional potential contaminant sources such as a diesel tank within 50 feet of the wells. A map with the well locations, delineated areas, and potential contaminant sources are provided with this report (Appendix B). Each potential contaminant source has been given a unique site number that references tabular information associated with the public water well (Appendix A).

## Section 3. Susceptibility Analysis

The susceptibility of the wells to contamination was ranked as high, moderate, or low risk according to the following considerations: hydrologic characteristics, physical integrity of the wells, land use characteristics, and potentially significant contaminant sources. The susceptibility rankings are specific to a particular potential contaminant or category of contaminants. Therefore, a high susceptibility rating relative to one potential contaminant does not mean that the water system is at the same risk for all other potential contaminants. The relative rankings that are derived for each well is a qualitative, screening-level step that, in many cases, uses generalized assumptions and best professional judgement. Appendix C contains the susceptibility analysis worksheets. The following summaries describe the rationale for the susceptibility rankings.

**Hydrologic Sensitivity**

The hydrologic sensitivity of a well is dependent upon four factors. These factors are surface soil composition, the material in the vadose zone (between the land surface and the water table), the depth to first ground water, and the presence of a 50-foot thick fine-grained zone above the water producing zone of the well. Slowly draining soils such as silt and clay typically are more protective of ground water than coarse-grained soils such as sand and gravel. Similarly, fine-grained sediments in the subsurface, and a water depth of more than 300 feet from the surface, protect the ground water from contamination.

Hydrologic sensitivity was rated high for the wells (Table 1). This is based upon moderate to well drained regional soil classes within the delineated area as defined by the National Resource Conservation Service (NRCS). For Well #1, there was insufficient well log information to evaluate the vadose zone composition, the first depth to ground water, and whether there is at least 50 feet of cumulative thickness of low permeability material that could reduce the downward movement of contaminants. For Well #2, the well log indicates the vadose zone is comprised of sand, gravel, boulders, and clay material. The depth to first ground water was encountered at 25 feet below ground surface (bgs) and there is a lack of at least 50 feet cumulative thickness of low permeability material above the producing zone of the well.

**Well Construction**

Well construction directly affects the ability of the well to protect the aquifer from contaminants. System construction scores are reduced when information shows that potential contaminants will have a more difficult time reaching the intake of the well. Lower scores imply a system that can better protect ground water. If the casing and annular seal both extend into a low permeability unit then the possibility of cross contamination from other aquifer layers is reduced and the system construction score goes down. If the highest production interval is more than 100 feet below the water table, then the system is considered to have better buffering capabilities. When information was adequate, a determination was made as to whether the casing and annular seals extend into low permeability units and whether current public water system construction standards are met.

The system construction score rated high for the wells (Table 1). The 2002 sanitary survey (conducted by DEQ) indicates the well casings are not vented. The purpose of the vent is to vent the space between the casing and the column and prevent a vacuum from forming when the well turns on and draws down the water table. A vacuum could draw in contamination through joints or leaks in the casing or cause the well to slough. The well casing heights are adequate and the well is located inside a 100-year floodplain, which may increase the chance of contaminants being drawn into the drinking water sources by surface water flooding.

The Idaho Department of Water Resources (IDWR) *Well Construction Standards Rules (1993)* require all PWS to follow DEQ standards. IDAPA 58.01.08.550 requires that PWS follow the *Recommended Standards for Water Works (1997)* during construction. Under current standards, all PWS wells are required to have a 50-foot buffer around the wellhead, and if the well is designed to yield greater than 50 gallons per minute (gpm), a minimum of a 6-hour pump test is required. These standards are used to rate the system construction for the well by evaluating items such as condition of the wellhead and surface seal, the thickness of the casing, etc. If all criteria are not met, the public water source does not meet the IDWR Well Construction Standards. In our search for well construction information, we were unable to locate a well log for Well #1. Because the well's construction could not be accurately assessed without a well log and knowing the approximate age of the well, it is considered that the well

does not meet the current IDWR Well Construction Standards for a PWS. Therefore, the well received a conservatively high rating in terms of system construction susceptibility to contamination. In the case of Well #2, there was insufficient information from the well log to accurately assess the well's construction, therefore, the well also received a conservatively high rating in terms of system construction susceptibility to contamination.

**Potential Contaminant Source and Land Use**

The potential contaminant sources and land use within the delineated zones of water contribution are assessed to determine the well's susceptibility. When agriculture is the predominant land use in the area, this may increase the likelihood of agricultural wastewater infiltrating the ground water system. Agricultural land is counted as a source of leachable contaminants and points are assigned to this rating based on the percentage of agricultural land. The predominant land use within the delineated capture zones of the City of Firth wells is irrigated agricultural land.

In terms of potential contaminant sources and land use susceptibility the ratings are as follows. The wells rated high for IOCs (i.e., nitrates), VOCs (i.e., petroleum related products), and SOCs (i.e., pesticides) and moderate for microbial contaminants (i.e., bacteria) (Table 1).

Potential contaminant sources found within the delineated areas include an AST sites, LUST sites, sand and gravel pits, a NPDES site, RCRA sites, CERCLA sites, SARA sites, and a TRI site. The locations of potential contaminant sources and delineated TOT zones for the wells are listed in Appendix A.

**Final Susceptibility Rating**

A detection of an IOC above a drinking water standard MCL, or any detection of a VOC or SOC, or a confirmed detection of bacteria at the wellhead will automatically give a high susceptibility rating to a well despite the land use of the area, because a pathway for contamination already exists. In this case, the well automatically rated high for VOCs and SOCs due to an UST located within 50 feet of the well. Additionally, potential contaminant sources within 50 feet of a wellhead will automatically lead to a high susceptibility rating. Hydrologic sensitivity and system construction scores are heavily weighted in the final scores. Having multiple potential contaminant sources in the 0 to 3-year time of travel zone (Zone 1B) and a large percentage of agricultural land contribute greatly to the overall ranking.

**Table 1. Summary of City of Firth Susceptibility Evaluation**

| Drinking Water Source | Susceptibility Scores[1] | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Hydrologic Sensitivity | Potential Contaminant Inventory and Land Use | | | | System Construction | Final Susceptibility Ranking | | | |
| | | IOC | VOC | SOC | Microbials | | IOC | VOC | SOC | Microbials |
| Well #1 | H | H | H | H | M | H | H | H* | H* | H |
| Well #2 | H | H | H | H | M | H | H | H* | H* | H |

**[1]H = High Susceptibility, M = Moderate Susceptibility, L = Low Susceptibility**
**IOC = inorganic chemical, VOC = volatile organic chemical, SOC = synthetic organic chemical**
**H* = source automatically scored high susceptibility due to UST located within 50 feet of the well.**

**Susceptibility Summary**

In terms of final susceptibility, the wells rated high for IOCs, VOCs, SOCs, and microbial contaminants. System construction and hydrologic sensitivity was high. Potential contaminant inventory and land use scores rated high for IOCs, VOCs, and SOCs and moderate for microbials.

The IOCs arsenic, fluoride, mercury, and nitrate have been detected in the drinking water, but at levels below the MCL for each chemical. Arsenic was detected at a concentration of 0.006 mg/L in 2001.

The county level agriculture-chemical use is considered high in this area due to the significant amount of agricultural land. Although there may only be a small portion of agriculture land in the direct vicinity of the well, it is useful as a tool in determining the overall chemical usage such as pesticides and how it may impact ground water through infiltration and surface water runoff. In addition, there were potential sources of contamination found within the wells' delineated TOT zones (Appendix A).

## Section 4. Options for Drinking Water Protection

This assessment should be used as a basis for determining appropriate new protection measures or re-evaluating existing protection efforts. No matter what ranking a source receives, protection is always important. Whether the source is currently located in a “pristine” area or an area with numerous industrial and/or agricultural land uses that require surveillance, the way to ensure good water quality in the future is to act now to protect valuable water supply resources. If the system should need to expand in the future, new well sites should be located in areas with as few potential sources of contamination as possible, and the site should be reserved and protected for this specific use.

An effective drinking water protection program is tailored to the particular local drinking water protection area. A community with a fully developed drinking water protection program will incorporate many strategies. For the City of Firth, drinking water protection activities should continue efforts aimed at keeping the distribution system free of microbial contaminants that may affect the drinking water quality. If microbial problems arise, the system may want to consider the addition of a disinfection system. In addition, drinking water protection activities should focus on correcting any deficiencies outlined in the sanitary survey. The wells should maintain sanitary standards regarding wellhead protection. Also, any new sources that could be considered potential contaminant sources in the wells' zones of contribution should also be investigated and monitored to prevent future contamination. No potential contaminants (pesticides, paint, fuel, cleaning supplies, etc.) should be stored or applied within 50 feet of the wells. The water system should remove the UST that is presently adjacent to the wellhouse of Well #1 and Well #2. The UST could be replaced with one that is at least 50 feet from the wellhouse and complies with current federal UST regulations. Another option that should be investigated is converting the generator to operate using natural gas instead of diesel fuel. Land uses within most of the source water assessment area are outside the direct jurisdiction of the City of Firth. Therefore, partnerships with state and local agencies, and industrial and commercial groups should be established to ensure future land uses are protective of ground water quality. Educating employees and the public about source water will further assist the system in its monitoring and protection efforts.

Due to the time involved with the movement of ground water, drinking water protection activities should be aimed at long-term management strategies even though these strategies may not yield results in the near term. A strong public education program should be a primary focus of any drinking water protection plan. Public education topics could include household hazardous waste disposal methods and the importance of water conservation to name but a few. There are multiple resources available to help water systems implement protection programs, including the Drinking Water Academy of the EPA. Drinking water protection activities for agriculture should be coordinated with the Idaho State Department of Agriculture and the Bingham County Soil and Water Conservation District. As major transportation corridors intersect the delineation (such as Highway 26/91), the Idaho Department of Transportation should be involved in protection efforts.

A system must incorporate a variety of strategies in order to develop a comprehensive drinking water protection plan, be they regulatory in nature (e.g. zoning, permitting) or non-regulatory in nature (e.g. good housekeeping, public education, specific best management practices). For assistance in developing protection strategies please contact the Pocatello Regional Office of the DEQ or the Idaho Rural Water Association.

**Assistance**

Public water supplies and others may call the following DEQ offices with questions about this assessment and to request assistance with developing and implementing a local protection plan. In addition, draft protection plans may be submitted to the DEQ office for preliminary review and comments.

DEQ Pocatello Regional Office (208) 236-6160

DEQ State Office (208) 373-0502

Website: http://www.deq.state.id.us

Water suppliers serving fewer than 10,000 persons may contact Ms. Melinda Harper (208) 343-7001 or email her at mailto:mlharper@idahoruralwater.com, Idaho Rural Water Association, for assistance with drinking water protection (formerly wellhead protection) strategies.

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# POTENTIAL CONTAMINANT INVENTORY LIST OF ACRONYMS AND DEFINITIONS

**AST (Aboveground Storage Tanks) –** Sites with aboveground storage tanks.

**Business Mailing List –** This list contains potential contaminant sites identified through a yellow pages database search of standard industry codes (SIC).

**CERCLA –** This includes sites considered for listing under the **Comprehensive Environmental Response Compensation and Liability Act (CERCLA)**. CERCLA, more commonly known as ASuperfund≅ is designed to clean up hazardous waste sites that are on the national priority list (NPL).

**Cyanide Site –** DEQ permitted and known historical sites/facilities using cyanide.

**Dairy –** Sites included in the primary contaminant source inventory represent those facilities regulated by Idaho State Department of Agriculture (ISDA) and may range from a few head to several thousand head of milking cows.

**Deep Injection Well –** Injection wells regulated under the Idaho Department of Water Resources generally for the disposal of stormwater runoff or agricultural field drainage.

**Enhanced Inventory** – Enhanced inventory locations are potential contaminant source sites added by the water system. These can include new sites not captured during the primary contaminant inventory, or corrected locations for sites not properly located during the primary contaminant inventory. Enhanced inventory sites can also include miscellaneous sites added by the Idaho Department of Environmental Quality (DEQ) during the primary contaminant inventory.

**Floodplain –** This is a coverage of the 100-year floodplains.

**Group 1 Sites** – These are sites that show elevated levels of contaminants and are not within the priority one areas.

**Inorganic Priority Area –** Priority one areas where greater than 25% of the wells/springs show constituents higher than primary standards or other health standards.

**Landfill –** Areas of open and closed municipal and non-municipal landfills.

**LUST (Leaking Underground Storage Tank)** – Potential contaminant source sites associated with leaking underground storage tanks as regulated under RCRA.

**Mines and Quarries** – Mines and quarries permitted through the Idaho Department of Lands).

**Nitrate Priority Area –** Area where greater than 25% of wells/springs show nitrate values above 5 mg/l.

**NPDES (National Pollutant Discharge Elimination System) –** Sites with NPDES permits. The Clean Water Act requires that any discharge of a pollutant to waters of the United States from a point source must be authorized by an NPDES permit.

**Organic Priority Areas –** These are any areas where greater than 25% of wells/springs show levels greater than 1% of the primary standard or other health standards.

**Recharge Point –** This includes active, proposed, and possible recharge sites on the Snake River Plain.

**RCRA –** Site regulated under **Resource Conservation Recovery Act (RCRA)**. RCRA is commonly associated with the cradle to grave management approach for generation, storage, and disposal of hazardous wastes.

**SARA Tier II (Superfund Amendments and Reauthorization Act Tier II Facilities) –** These sites store certain types and amounts of hazardous materials and must be identified under the Community Right to Know Act.

**Toxic Release Inventory (TRI)** – The toxic release inventory list was developed as part of the Emergency Planning and Community Right to Know (Community Right to Know) Act passed in 1986. The Community Right to Know Act requires the reporting of any release of a chemical found on the TRI list.

**UST (Underground Storage Tank) –** Potential contaminant source sites associated with underground storage tanks regulated as regulated under RCRA.

**Wastewater Land Applications Sites** – These are areas where the land application of municipal or industrial wastewater is permitted by DEQ.

**Wellheads –** These are drinking water well locations regulated under the Safe Drinking Water Act. They are not treated as potential contaminant sources.

**NOTE:** Many of the potential contaminant sources were located using a geocoding program where mailing addresses are used to locate a facility. Field verification of potential contaminant sources is an important element of an enhanced inventor.

# APPENDIX A

## City of Firth
## Potential Contaminant Source Inventory

**Table 2. Potential Contaminants**

| Site | Source Description[1] | TOT Zone (in years)[2] | Source Information | Potential Contaminants[3] |
|---|---|---|---|---|
| | AST | 0-3 | GIS Map | IOC, VOC, SOC, Microbials |
| | Highway 26/91 | 0-3 | GIS Map | IOC, VOC, SOC, Microbials |
| | Surface Waters | 0-3 | GIS Map | IOC, VOC, SOC, Microbials |
| | Railroad | 0-3 | GIS Map | IOC, VOC, SOC, Microbials |
| 1 | LUST Site-Cleanup Incomplete; Impact Unknown | 0-3 | Database Inventory | VOC, SOC |
| 2 | LUST Site-Cleanup Incomplete; Impact Unknown | 0-3 | Database Inventory | VOC, SOC |
| 3 | UST Site-Farm; Open | 0-3 | Database Inventory | VOC, SOC |
| 4 | UST Site-Gas Station; Closed | 0-3 | Database Inventory | VOC, SOC |
| 5 | UST Site-Gas Station; Closed | 0-3 | Database Inventory | VOC, SOC |
| 6 | UST Site-Commercial; Closed | 0-3 | Database Inventory | VOC, SOC |
| 7 | UST Site-Local Government; Closed | 0-3 | Database Inventory | VOC, SOC |
| 8 | UST Site-Utilities; Closed | 0-3 | Database Inventory | VOC, SOC |
| 9 | UST Site-Industrial; Closed | 0-3 | Database Inventory | VOC, SOC |
| 10 | UST Site-Not Listed; Closed | 0-3 | Database Inventory | VOC, SOC |
| 11 | UST Site-Gas Station; Open | 0-3 | Database Inventory | VOC, SOC |
| 12 | UST Site-Other; Closed | 0-3 | Database Inventory | VOC, SOC |
| 13 | UST Site-Gas Station; Open | 0-3 | Database Inventory | VOC, SOC |
| 14 | Dairy | 0-3 | Database Inventory | IOC, Microbials |
| 15 | Dairy | 0-3 | Database Inventory | IOC, Microbials |
| 16 | Dried/Dehydrated Fruits Veg (Mfr) | 0-3 | Database Inventory | IOC, Microbials |
| 17 | Automobile Repairing & Service | 0-3 | Database Inventory | IOC, VOC, SOC |
| 18 | Machine Shops | 0-3 | Database Inventory | IOC, VOC, SOC |
| 19 | Grading Contractors | 0-3 | Database Inventory | VOC |
| 20 | Home Improvements | 0-3 | Database Inventory | IOC, VOC, SOC |
| 21 | Cleaners | 0-3 | Database Inventory | VOC |
| 22 | Janitor Service | 0-3 | Database Inventory | VOC |
| 23 | Fireplace Equipment-Manufacturers | 0-3 | Database Inventory | IOC, VOC |
| 24 | Garbage Collection | 0-3 | Database Inventory | IOC, VOC, SOC, Microbials |
| 25 | Welding | 0-3 | Database Inventory | IOC, VOC |
| 26 | Foundries-Steel | 0-3 | Database Inventory | IOC, VOC, SOC |
| 27 | Golf Courses-Public | 0-3 | Database Inventory | IOC, VOC, SOC |
| 28 | Printers | 0-3 | Database Inventory | VOC |
| 29 | Funeral Directors | 0-3 | Database Inventory | VOC |
| 30 | Printers | 0-3 | Database Inventory | VOC |
| 31 | City Government-Transportation Program | 0-3 | Database Inventory | VOC, SOC |
| 32 | Newspapers (Publishers) | 0-3 | Database Inventory | IOC, VOC |
| 33 | Trailer-Manufacturers | 0-3 | Database Inventory | IOC, VOC, SOC |
| 34 | Truck Renting & Leasing | 0-3 | Database Inventory | VOC, SOC |
| 35 | Toxic Release Inventory | 0-3 | Database Inventory | VOC, SOC |
| 36 | RCRA Site | 0-3 | Database Inventory | VOC, SOC |
| 37 | RCRA Site | 0-3 | Database Inventory | VOC |
| 38 | RCRA Site | 0-3 | Database Inventory | IOC, VOC, SOC |
| 39 | Mine/Quarry | 0-3 | Database Inventory | IOC, VOC, SOC |
| 40 | Mine/Quarry | 0-3 | Database Inventory | IOC, VOC, SOC |
| 41 | SARA Site | 0-3 | Database Inventory | VOC, SOC |
| 42 | SARA Site | 0-3 | Database Inventory | IOC, VOC, SOC |
| 43 | SARA Site | 0-3 | Database Inventory | IOC, VOC, SOC |
| 44 | SARA Site | 0-3 | Database Inventory | IOC, VOC, SOC |
| 45 | SARA Site | 0-3 | Database Inventory | IOC, VOC, SOC |

| Site | Source Description[1] | TOT Zone (in years)[2] | Source Information | Potential Contaminants[3] |
|---|---|---|---|---|
| 46 | SARA Site | 0-3 | Database Inventory | IOC, VOC, SOC |
| 47 | SARA Site | 0-3 | Database Inventory | IOC, VOC, SOC |
| 48 | Recharge Point | 0-3 | Database Inventory | IOC, VOC, SOC, Microbials |
| 49 | Group 1 Site | 0-3 | Database Inventory | VOC |
| 50 | Wastewater Land Application Site | 0-3 | Database Inventory | IOC, Microbials |
| 51 | Wastewater Land Application Site | 0-3 | Database Inventory | IOC, Microbials |
| 825 | Potato Storage | 0-3 | Enhanced Inventory | IOC, Microbials |
| 826 | AST | 0-3 | Enhanced Inventory | VOC, SOC |
| 827 | Telephone Communication, Except Radio | 0-3 | Enhanced Inventory | VOC |
| 56 | LUST Site-Cleanup Completed; Impact Unknown | 3-6 | Database Inventory | VOC, SOC |
| 57 | LUST Site-Cleanup Completed; Impact Unknown | 3-6 | Database Inventory | VOC, SOC |
| 58 | UST Site-Other; Closed | 3-6 | Database Inventory | VOC, SOC |
| 59 | UST Site-Commercial; Closed | 3-6 | Database Inventory | VOC, SOC |
| 60 | UST Site-Truck/Transporter; Closed | 3-6 | Database Inventory | VOC, SOC |
| 61 | UST Site-Not Listed; Closed | 3-6 | Database Inventory | VOC, SOC |
| 62 | UST Site-Not Listed; Closed | 3-6 | Database Inventory | VOC, SOC |
| 63 | UST Site-Other; Closed | 3-6 | Database Inventory | VOC, SOC |
| 64 | UST Site-Other; Closed | 3-6 | Database Inventory | VOC, SOC |
| 65 | UST Site-Contractor; Open | 3-6 | Database Inventory | VOC, SOC |
| 66 | UST Site-Other; Closed | 3-6 | Database Inventory | VOC, SOC |
| 67 | UST Site-Truck/Transporter; Open | 3-6 | Database Inventory | VOC, SOC |
| 68 | UST Site-Commercial; Closed | 3-6 | Database Inventory | VOC, SOC |
| 69 | Dairy | 3-6 | Database Inventory | IOC |
| 70 | Dairy | 3-6 | Database Inventory | IOC |
| 71 | Crane Service | 3-6 | Database Inventory | VOC, SOC |
| 72 | General Contractors | 3-6 | Database Inventory | IOC, VOC, SOC |
| 73 | Logging | 3-6 | Database Inventory | VOC, SOC |
| 74 | Fertilizers (Wholesale) | 3-6 | Database Inventory | IOC |
| 75 | Color-Offset Photo Engrave | 3-6 | Database Inventory | IOC, VOC |
| 76 | Well Drilling | 3-6 | Database Inventory | IOC, VOC, SOC |
| 77 | Mechanical Contractors | 3-6 | Database Inventory | IOC, VOC, SOC |
| 78 | Candy & Confectionery Manufacturers | 3-6 | Database Inventory | IOC, VOC, Microbials |
| 79 | Potato Harvesting/Planting Equipment | 3-6 | Database Inventory | VOC, SOC |
| 80 | Foods-Frozen Manufacturers | 3-6 | Database Inventory | IOC, Microbials |
| 81 | Millwork Manufacturers | 3-6 | Database Inventory | IOC, VOC, SOC |
| 82 | Farm Supplies (Wholesale) | 3-6 | Database Inventory | IOC, VOC, SOC |
| 83 | Water Works Equipment & Supplies | 3-6 | Database Inventory | IOC, VOC, SOC |
| 84 | Mold Makers | 3-6 | Database Inventory | VOC, SOC |
| 85 | Printers | 3-6 | Database Inventory | VOC |
| 86 | Trucking-Heavy Hauling | 3-6 | Database Inventory | VOC, SOC |
| 87 | Nurserymen | 3-6 | Database Inventory | IOC, SOC |
| 88 | Powder Coatings Manufacturers | 3-6 | Database Inventory | IOC, VOC, SOC |
| 89 | Furniture Manufacturers | 3-6 | Database Inventory | VOC, SOC |
| 90 | Meat Processing | 3-6 | Database Inventory | IOC, Microbials |
| 91 | Boat Dealers | 3-6 | Database Inventory | VOC, SOC |
| 92 | Aircraft-Dealers | 3-6 | Database Inventory | VOC, SOC |
| 93 | Electric Companies | 3-6 | Database Inventory | IOC, VOC |
| 94 | NPDES Site | 3-6 | Database Inventory | IOC |
| 95 | Toxic Release Inventory | 3-6 | Database Inventory | VOC, SOC |

| Site | Source Description[1] | TOT Zone (in years)[2] | Source Information | Potential Contaminants[3] |
|---|---|---|---|---|
| 96 | CERCLA Site | 3-6 | Database Inventory | IOC, VOC, SOC |
| 97 | CERCLA Site | 3-6 | Database Inventory | IOC, VOC, SOC |
| 98 | RCRA Site | 3-6 | Database Inventory | IOC, VOC, SOC |
| 99 | Mine/Quarry | 3-6 | Database Inventory | IOC, VOC, SOC |
| 100 | Deep Injection Well | 3-6 | Database Inventory | IOC, VOC, SOC |
| 101 | Deep Injection Well | 3-6 | Database Inventory | IOC, VOC, SOC |
| 102 | Deep Injection Well | 3-6 | Database Inventory | IOC, VOC, SOC |
| 103 | SARA Site | 3-6 | Database Inventory | IOC, VOC, SOC |
| 104 | SARA Site | 3-6 | Database Inventory | IOC, VOC, SOC |
| 105 | SARA Site | 3-6 | Database Inventory | VOC, SOC |
| 106 | SARA Site | 3-6 | Database Inventory | IOC, VOC, SOC |
| 107 | SARA Site | 3-6 | Database Inventory | VOC, SOC |
| 108 | SARA Site | 3-6 | Database Inventory | IOC, VOC, SOC |
| 109 | SARA Site | 3-6 | Database Inventory | IOC, VOC, SOC |
| 110 | SARA Site | 3-6 | Database Inventory | IOC, VOC, SOC |
| 111 | SARA Site | 3-6 | Database Inventory | IOC, VOC, SOC, Microbials |
| 112 | Recharge Point | 3-6 | Database Inventory | IOC, VOC, SOC |
| 113 | AST Site | 3-6 | Database Inventory | VOC, SOC |
| 114 | AST Site | 3-6 | Database Inventory | VOC, SOC |
| 115 | AST Site | 3-6 | Database Inventory | VOC, SOC |
| 116 | AST Site | 3-6 | Database Inventory | VOC, SOC |
| 117 | Group 1 Site | 3-6 | Database Inventory | SOC |
| 120 | LUST Site-Cleanup Completed; Impact:Groundwater | 6-10 | Database Inventory | VOC, SOC |
| 121 | LUST Site-Cleanup Completed; Impact Unknown | 6-10 | Database Inventory | VOC, SOC |
| 122 | LUST Site-Cleanup Completed; Impact Unknown | 6-10 | Database Inventory | VOC, SOC |
| 123 | LUST Site-Cleanup Completed; Impact Unknown | 6-10 | Database Inventory | VOC, SOC |
| 124 | LUST Site-Cleanup Completed; Impact Unknown | 6-10 | Database Inventory | VOC, SOC |
| 125 | LUST Site-Cleanup Completed; Impact Unknown | 6-10 | Database Inventory | VOC, SOC |
| 126 | LUST Site-Cleanup Completed; Impact Unknown | 6-10 | Database Inventory | VOC, SOC |
| 127 | LUST Site-Cleanup Completed; Impact:Groundwater | 6-10 | Database Inventory | VOC, SOC |
| 128 | LUST Site-Cleanup Completed; Impact Unknown | 6-10 | Database Inventory | VOC, SOC |
| 129 | LUST Site-Cleanup Completed; Impact Unknown | 6-10 | Database Inventory | VOC, SOC |
| 130 | LUST Site-Cleanup Incomplete; Impact Unknown | 6-10 | Database Inventory | VOC, SOC |
| 131 | LUST Site-Cleanup Incomplete; Impact Unknown | 6-10 | Database Inventory | VOC, SOC |
| 132 | UST Site-Contractor; Closed | 6-10 | Database Inventory | VOC, SOC |
| 133 | UST Site-Gas Station; Closed | 6-10 | Database Inventory | VOC, SOC |
| 134 | UST Site-Other; Closed | 6-10 | Database Inventory | VOC, SOC |
| 135 | UST Site-Farm; Closed | 6-10 | Database Inventory | VOC, SOC |
| 136 | UST Site-Gas Station; Open | 6-10 | Database Inventory | VOC, SOC |
| 137 | UST Site-Federal Non-Military; Closed | 6-10 | Database Inventory | VOC, SOC |
| 138 | UST Site-Gas Station; Open | 6-10 | Database Inventory | VOC, SOC |

| Site | Source Description[1] | TOT Zone (in years)[2] | Source Information | Potential Contaminants[3] |
|---|---|---|---|---|
| 139 | UST Site-Gas Station; Open | 6-10 | Database Inventory | VOC, SOC |
| 140 | UST Site-Gas Station; Closed | 6-10 | Database Inventory | VOC, SOC |
| 141 | UST Site-Gas Station; Open | 6-10 | Database Inventory | VOC, SOC |
| 142 | UST Site-Gas Station; Closed | 6-10 | Database Inventory | VOC, SOC |
| 143 | UST Site-Farm; Closed | 6-10 | Database Inventory | VOC, SOC |
| 144 | UST Site-Other; Closed | 6-10 | Database Inventory | VOC, SOC |
| 145 | UST Site-Gas Station; Closed | 6-10 | Database Inventory | VOC, SOC |
| 146 | UST Site-Gas Station; Open | 6-10 | Database Inventory | VOC, SOC |
| 147 | UST Site-Gas Station; Open | 6-10 | Database Inventory | VOC, SOC |
| 148 | UST Site-Industrial; Closed | 6-10 | Database Inventory | VOC, SOC |
| 149 | UST Site-Truck/Transporter; Open | 6-10 | Database Inventory | VOC, SOC |
| 150 | UST Site-Not Listed; Closed | 6-10 | Database Inventory | VOC, SOC |
| 151 | UST Site-Contractor; Open | 6-10 | Database Inventory | VOC, SOC |
| 152 | UST Site-Auto Dealership; Closed | 6-10 | Database Inventory | VOC, SOC |
| 153 | UST Site-Federal Military; Open | 6-10 | Database Inventory | VOC, SOC |
| 154 | UST Site-Contractor; Closed | 6-10 | Database Inventory | VOC, SOC |
| 155 | UST Site-Gas Station; Closed | 6-10 | Database Inventory | VOC, SOC |
| 156 | UST Site-Commercial; Closed | 6-10 | Database Inventory | VOC, SOC |
| 157 | UST Site-Truck/Transporter; Closed | 6-10 | Database Inventory | VOC, SOC |
| 158 | UST Site-Gas Station; Open | 6-10 | Database Inventory | VOC, SOC |
| 159 | UST Site-State Government; Closed | 6-10 | Database Inventory | VOC, SOC |
| 160 | UST Site-Gas Station; Open | 6-10 | Database Inventory | VOC, SOC |
| 161 | UST Site-Other; Closed | 6-10 | Database Inventory | VOC, SOC |
| 162 | UST Site-Local Government; Closed | 6-10 | Database Inventory | VOC, SOC |
| 163 | UST Site-Local Government; Closed | 6-10 | Database Inventory | VOC, SOC |
| 164 | UST Site-Local Government; Closed | 6-10 | Database Inventory | VOC, SOC |
| 165 | UST Site-Local Government; Closed | 6-10 | Database Inventory | VOC, SOC |
| 166 | UST Site-Gas Station; Closed | 6-10 | Database Inventory | VOC, SOC |
| 167 | UST Site-Gas Station; Closed | 6-10 | Database Inventory | VOC, SOC |
| 168 | UST Site-Not Listed; Closed | 6-10 | Database Inventory | VOC, SOC |
| 169 | UST Site-Petroleum Distributor; Closed | 6-10 | Database Inventory | VOC, SOC |
| 170 | UST Site-Not Listed; Open | 6-10 | Database Inventory | VOC, SOC |
| 171 | UST Site-Not Listed; Open | 6-10 | Database Inventory | VOC, SOC |
| 172 | UST Site-Auto Dealership; Open | 6-10 | Database Inventory | VOC, SOC |
| 173 | UST Site-Truck/Transporter; Closed | 6-10 | Database Inventory | VOC, SOC |
| 174 | UST Site-Other; Closed | 6-10 | Database Inventory | VOC, SOC |
| 175 | UST Site-Contractor; Closed | 6-10 | Database Inventory | VOC, SOC |
| 176 | UST Site-Not Listed; Closed | 6-10 | Database Inventory | VOC, SOC |
| 177 | UST Site-Not Listed; Open | 6-10 | Database Inventory | VOC, SOC |
| 178 | UST Site-Not Listed; Closed | 6-10 | Database Inventory | VOC, SOC |
| 179 | UST Site-Not Listed; Open | 6-10 | Database Inventory | VOC, SOC |
| 180 | UST Site-Gas Station; Open | 6-10 | Database Inventory | VOC, SOC |
| 181 | UST Site-Gas Station; Closed | 6-10 | Database Inventory | VOC, SOC |
| 182 | UST Site-Commercial; Closed | 6-10 | Database Inventory | VOC, SOC |
| 183 | UST Site-Gas Station; Closed | 6-10 | Database Inventory | VOC, SOC |
| 184 | UST Site-Other; Closed | 6-10 | Database Inventory | VOC, SOC |
| 185 | UST Site-Gas Station; Open | 6-10 | Database Inventory | VOC, SOC |
| 186 | UST Site-Gas Station; Closed | 6-10 | Database Inventory | VOC, SOC |
| 187 | UST Site-Local Government; Open | 6-10 | Database Inventory | VOC, SOC |
| 188 | UST Site-Not Listed; Open | 6-10 | Database Inventory | VOC, SOC |
| 189 | UST Site-Petroleum Distributor; Open | 6-10 | Database Inventory | VOC, SOC |
| 190 | UST Site-Not Listed; Closed | 6-10 | Database Inventory | VOC, SOC |

| Site | Source Description[1] | TOT Zone (in years)[2] | Source Information | Potential Contaminants[3] |
|---|---|---|---|---|
| 191 | UST Site-Utilities; Open | 6-10 | Database Inventory | VOC, SOC |
| 192 | UST Site-Federal Non-Military; Closed | 6-10 | Database Inventory | VOC, SOC |
| 193 | UST Site-Not Listed; Closed | 6-10 | Database Inventory | VOC, SOC |
| 194 | UST Site-Other; Closed | 6-10 | Database Inventory | VOC, SOC |
| 195 | UST Site-Gas Station; Open | 6-10 | Database Inventory | VOC, SOC |
| 196 | UST Site-Gas Station; Open | 6-10 | Database Inventory | VOC, SOC |
| 197 | UST Site-Gas Station; Closed | 6-10 | Database Inventory | VOC, SOC |
| 198 | UST Site-Not Listed; Closed | 6-10 | Database Inventory | VOC, SOC |
| 199 | UST Site-Gas Station; Closed | 6-10 | Database Inventory | VOC, SOC |
| 200 | UST Site-Not Listed; Closed | 6-10 | Database Inventory | VOC, SOC |
| 201 | UST Site-Other; Closed | 6-10 | Database Inventory | VOC, SOC |
| 202 | UST Site-Not Listed; Open | 6-10 | Database Inventory | VOC, SOC |
| 203 | UST Site-Not Listed; Closed | 6-10 | Database Inventory | VOC, SOC |
| 204 | UST Site-Other; Closed | 6-10 | Database Inventory | VOC, SOC |
| 205 | UST Site-Commercial; Closed | 6-10 | Database Inventory | VOC, SOC |
| 206 | UST Site-Gas Station; Open | 6-10 | Database Inventory | VOC, SOC |
| 207 | UST Site-Gas Station; Closed | 6-10 | Database Inventory | VOC, SOC |
| 208 | UST Site-Gas Station; Closed | 6-10 | Database Inventory | VOC, SOC |
| 209 | UST Site-Industrial; Closed | 6-10 | Database Inventory | VOC, SOC |
| 210 | UST Site-Commercial; Closed | 6-10 | Database Inventory | VOC, SOC |
| 211 | UST Site-Not Listed; Closed | 6-10 | Database Inventory | VOC, SOC |
| 212 | UST Site-Commercial; Closed | 6-10 | Database Inventory | VOC, SOC |
| 213 | UST Site-Local Government; Closed | 6-10 | Database Inventory | VOC, SOC |
| 214 | UST Site-Local Government; Closed | 6-10 | Database Inventory | VOC, SOC |
| 215 | UST Site-Federal Non-Military; Open | 6-10 | Database Inventory | VOC, SOC |
| 216 | UST Site-Other; Closed | 6-10 | Database Inventory | VOC, SOC |
| 217 | UST Site-Other; Closed | 6-10 | Database Inventory | VOC, SOC |
| 218 | UST Site-Local Government; Open | 6-10 | Database Inventory | VOC, SOC |
| 219 | UST Site-Other; Closed | 6-10 | Database Inventory | VOC, SOC |
| 220 | UST Site-Other; Closed | 6-10 | Database Inventory | VOC, SOC |
| 221 | UST Site-Other; Closed | 6-10 | Database Inventory | VOC, SOC |
| 222 | UST Site-Other; Closed | 6-10 | Database Inventory | VOC, SOC |
| 223 | UST Site-Other; Closed | 6-10 | Database Inventory | VOC, SOC |
| 224 | UST Site-Gas Station; Open | 6-10 | Database Inventory | VOC, SOC |
| 225 | UST Site-Gas Station; Open | 6-10 | Database Inventory | VOC, SOC |
| 226 | UST Site-Gas Station; Closed | 6-10 | Database Inventory | VOC, SOC |
| 227 | UST Site-Gas Station; Open | 6-10 | Database Inventory | VOC, SOC |
| 228 | UST Site-Contractor; Closed | 6-10 | Database Inventory | VOC, SOC |
| 229 | UST Site-Gas Station; Open | 6-10 | Database Inventory | VOC, SOC |
| 230 | UST Site-Industrial; Closed | 6-10 | Database Inventory | VOC, SOC |
| 231 | UST Site-Gas Station; Closed | 6-10 | Database Inventory | VOC, SOC |
| 232 | UST Site-Gas Station; Closed | 6-10 | Database Inventory | VOC, SOC |
| 233 | UST Site-Gas Station; Open | 6-10 | Database Inventory | VOC, SOC |
| 234 | UST Site-Auto Dealership; Closed | 6-10 | Database Inventory | VOC, SOC |
| 235 | UST Site-Gas Station; Open | 6-10 | Database Inventory | VOC, SOC |
| 236 | UST Site-Federal Non-Military; Open | 6-10 | Database Inventory | VOC, SOC |
| 237 | UST Site-Auto Dealership; Closed | 6-10 | Database Inventory | VOC, SOC |
| 238 | UST Site-Auto Dealership; Closed | 6-10 | Database Inventory | VOC, SOC |
| 239 | UST Site-Petroleum Distributor; Closed | 6-10 | Database Inventory | VOC, SOC |
| 240 | UST Site-Gas Station; Open | 6-10 | Database Inventory | VOC, SOC |
| 241 | UST Site-Local Government; Closed | 6-10 | Database Inventory | VOC, SOC |

| Site | Source Description[1] | TOT Zone (in years)[2] | Source Information | Potential Contaminants[3] |
|---|---|---|---|---|
| 242 | UST Site-Gas Station; Open | 6-10 | Database Inventory | VOC, SOC |
| 243 | UST Site-Gas Station; Closed | 6-10 | Database Inventory | VOC, SOC |
| 244 | UST Site-Gas Station; Open | 6-10 | Database Inventory | VOC, SOC |
| 245 | UST Site-Auto Dealership; Closed | 6-10 | Database Inventory | VOC, SOC |
| 246 | UST Site-Commercial; Closed | 6-10 | Database Inventory | VOC, SOC |
| 247 | Laundries | 6-10 | Database Inventory | SOC |
| 248 | Welding | 6-10 | Database Inventory | IOC, VOC |
| 249 | Storage-Household & Commercial | 6-10 | Database Inventory | IOC, VOC, SOC |
| 250 | Signs Manufacturers | 6-10 | Database Inventory | IOC, VOC, SOC |
| 251 | Pest Control | 6-10 | Database Inventory | SOC |
| 252 | Auto Radiator-Repair | 6-10 | Database Inventory | IOC, VOC, SOC |
| 253 | Tools-Pneumatic (Wholesale) | 6-10 | Database Inventory | IOC, VOC, SOC |
| 254 | Auto Parts-Used & Rebuilt (Wholesale) | 6-10 | Database Inventory | VOC, SOC |
| 255 | Limousine Service | 6-10 | Database Inventory | VOC, SOC |
| 256 | Plumbing Drain & Sewer Cleaning | 6-10 | Database Inventory | IOC, VOC, Microbials |
| 257 | Hardware-Retail | 6-10 | Database Inventory | IOC, VOC, SOC |
| 258 | Farm Equipment (Wholesale) | 6-10 | Database Inventory | VOC, SOC |
| 259 | Rental Service-Stores & Yards | 6-10 | Database Inventory | VOC, SOC |
| 260 | Automobile Body-Repairing & Painting | 6-10 | Database Inventory | IOC, VOC, SOC |
| 261 | Automobile Dealers-Used Cars | 6-10 | Database Inventory | VOC, SOC |
| 262 | Engines-Rebuild & Repair | 6-10 | Database Inventory | IOC, VOC, SOC |
| 263 | Potato Harvesting/Planting Equipment | 6-10 | Database Inventory | VOC, SOC |
| 264 | Farm Equipment (Wholesale) | 6-10 | Database Inventory | VOC, SOC |
| 265 | Trucking-Motor Freight | 6-10 | Database Inventory | VOC, SOC |
| 266 | Veterinarians | 6-10 | Database Inventory | IOC, VOC, Microbials |
| 267 | Fire Damage Restoration | 6-10 | Database Inventory | VOC, SOC |
| 268 | Lawn Maintenance | 6-10 | Database Inventory | IOC, SOC |
| 269 | Veterinarians | 6-10 | Database Inventory | IOC, VOC, Microbials |
| 270 | Laboratories-Medical | 6-10 | Database Inventory | IOC, VOC, SOC, Microbials |
| 271 | Tree Service | 6-10 | Database Inventory | VOC, SOC |
| 272 | Bicycles-Dealers | 6-10 | Database Inventory | VOC, SOC |
| 273 | Excavating Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 274 | Truck-Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 275 | Hospitals | 6-10 | Database Inventory | IOC, SOC, Microbials |
| 276 | Pharmaceutical Products (Wholesale) | 6-10 | Database Inventory | IOC, VOC, SOC |
| 277 | Contractors-Equipment/Supplies/Dealers | 6-10 | Database Inventory | IOC, VOC, SOC |
| 278 | Automobile Renting & Leasing | 6-10 | Database Inventory | VOC, SOC |
| 279 | Boat Repairing | 6-10 | Database Inventory | IOC, VOC, SOC |
| 280 | Satellite Equipment & Systems Manufacturers | 6-10 | Database Inventory | IOC, VOC |
| 281 | Plumbing Drain & Sewer Cleaning | 6-10 | Database Inventory | IOC, VOC, Microbials |
| 282 | General Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 283 | Hardware (Wholesale) | 6-10 | Database Inventory | IOC, VOC, SOC |
| 284 | Landscape Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 285 | Mufflers & Exhaust Systems-Engine | 6-10 | Database Inventory | IOC, VOC, SOC |
| 286 | Parking Area Maintenance & Marking | 6-10 | Database Inventory | VOC, SOC |
| 287 | Auto Detail & Clean-Up Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 288 | Auto Body Shop Equipment/Supplies (Wholesale) | 6-10 | Database Inventory | IOC, VOC, SOC |
| 289 | Automobile Customizing | 6-10 | Database Inventory | IOC, VOC, SOC |

| Site | Source Description[1] | TOT Zone (in years)[2] | Source Information | Potential Contaminants[3] |
|---|---|---|---|---|
| 290 | Plating Manufacturers | 6-10 | Database Inventory | IOC, VOC |
| 291 | Automobile Customizing | 6-10 | Database Inventory | IOC, VOC, SOC |
| 292 | Packaging Machinery-Wholesale | 6-10 | Database Inventory | VOC |
| 293 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 294 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 295 | Springs-Auto Sales & Service | 6-10 | Database Inventory | VOC, SOC |
| 296 | Farm Supplies (Wholesale) | 6-10 | Database Inventory | IOC, VOC, SOC |
| 297 | Wood Products-Manufacturers | 6-10 | Database Inventory | IOC, VOC, SOC |
| 298 | Automobile Dealers-New Cars | 6-10 | Database Inventory | VOC, SOC |
| 299 | Bags-Plastic (Manufacturers) | 6-10 | Database Inventory | VOC, SOC |
| 300 | Sausages/Other Prepared Meat Products | 6-10 | Database Inventory | IOC, Microbials |
| 301 | Printers | 6-10 | Database Inventory | VOC |
| 302 | Home Improvements | 6-10 | Database Inventory | IOC, VOC, SOC |
| 303 | Plumbing Drain & Sewer Cleaning | 6-10 | Database Inventory | IOC, VOC, Microbials |
| 304 | Paving Contractors | 6-10 | Database Inventory | VOC, SOC |
| 305 | Paint-Retail | 6-10 | Database Inventory | VOC |
| 306 | Carpet & Rug Cleaners | 6-10 | Database Inventory | VOC |
| 307 | Tire-Dealers Retail | 6-10 | Database Inventory | VOC, SOC |
| 308 | Tire-Dealers Retail | 6-10 | Database Inventory | VOC, SOC |
| 309 | Bicycles-Dealers | 6-10 | Database Inventory | VOC, SOC |
| 310 | Motorcycles & Motor Scooters-Dealers | 6-10 | Database Inventory | VOC, SOC |
| 311 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 312 | Recreational Vehicles | 6-10 | Database Inventory | VOC, SOC |
| 313 | Outboard Motors | 6-10 | Database Inventory | VOC, SOC |
| 314 | Auto Radiator-Repair | 6-10 | Database Inventory | IOC, VOC, SOC |
| 315 | Auto Parts-Used & Rebuilt (Wholesale) | 6-10 | Database Inventory | VOC, SOC |
| 316 | Motorcycles & Motor Scooters-Dealers | 6-10 | Database Inventory | VOC, SOC |
| 317 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 318 | Funeral Directors | 6-10 | Database Inventory | VOC |
| 319 | Funeral Directors | 6-10 | Database Inventory | VOC |
| 320 | Automobile Dealers-Used Cars | 6-10 | Database Inventory | VOC, SOC |
| 321 | General Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 322 | Auto Restoration-Antiques | 6-10 | Database Inventory | IOC, VOC, SOC |
| 323 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 324 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 325 | Automobile Dealers-Used Cars | 6-10 | Database Inventory | VOC, SOC |
| 326 | Wheel Alignment-Frame & Axle Service | 6-10 | Database Inventory | VOC, SOC |
| 327 | Automobile Dealers-Used Cars | 6-10 | Database Inventory | VOC, SOC |
| 328 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 329 | Automobile Body-Repairing & Painting | 6-10 | Database Inventory | IOC, VOC, SOC |
| 330 | Newspapers (Publishers) | 6-10 | Database Inventory | IOC, VOC |
| 331 | Boat Dealers | 6-10 | Database Inventory | VOC, SOC |
| 332 | Automobile Body-Repairing & Painting | 6-10 | Database Inventory | IOC, VOC, SOC |
| 333 | Car Washing & Polishing | 6-10 | Database Inventory | IOC, VOC, SOC, Microbials |
| 334 | Automobile Dealers-Used Cars | 6-10 | Database Inventory | VOC, SOC |
| 335 | Automobile Parts & Supplies-Retail | 6-10 | Database Inventory | VOC, SOC |

| Site | Source Description[1] | TOT Zone (in years)[2] | Source Information | Potential Contaminants[3] |
|---|---|---|---|---|
| 336 | Automobile Dealers-Used Cars | 6-10 | Database Inventory | VOC, SOC |
| 337 | Laboratories-Dental | 6-10 | Database Inventory | IOC, VOC, SOC, Microbials |
| 338 | Automobile Body-Repairing & Painting | 6-10 | Database Inventory | IOC, VOC, SOC |
| 339 | Recreational Vehicles | 6-10 | Database Inventory | VOC, SOC |
| 340 | Lawn Mowers | 6-10 | Database Inventory | VOC, SOC |
| 341 | Dairy Products-Wholesale | 6-10 | Database Inventory | IOC, Microbials |
| 342 | Automobile Body-Repairing & Painting | 6-10 | Database Inventory | IOC, VOC, SOC |
| 343 | Auto Parts-Used & Rebuilt (Wholesale) | 6-10 | Database Inventory | VOC, SOC |
| 344 | Automobile Parts & Supplies-Retail | 6-10 | Database Inventory | VOC, SOC |
| 345 | Store Fronts | 6-10 | Database Inventory | IOC, VOC |
| 346 | Service Stations-Gasoline & Oil | 6-10 | Database Inventory | VOC, SOC |
| 347 | Landscape Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 348 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 349 | Pet Services | 6-10 | Database Inventory | IOC, Microbials |
| 350 | Automobile Body-Repairing & Painting | 6-10 | Database Inventory | IOC, VOC, SOC |
| 351 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 352 | Laboratories-Dental | 6-10 | Database Inventory | IOC, VOC, SOC, Microbials |
| 353 | Bottlers | 6-10 | Database Inventory | VOC |
| 354 | Automobile Dealers-Used Cars | 6-10 | Database Inventory | VOC, SOC |
| 355 | Signs Manufacturers | 6-10 | Database Inventory | IOC, VOC, SOC |
| 356 | Funeral Directors | 6-10 | Database Inventory | VOC |
| 357 | Welding | 6-10 | Database Inventory | IOC, VOC |
| 358 | Electric Equipment & Supplies-Wholesale | 6-10 | Database Inventory | IOC, VOC |
| 359 | Culverts | 6-10 | Database Inventory | VOC, SOC |
| 360 | Automobile Dealers-Used Cars | 6-10 | Database Inventory | VOC, SOC |
| 361 | Automobile Body-Repairing & Painting | 6-10 | Database Inventory | IOC, VOC, SOC |
| 362 | Automobile Dealers-Used Cars | 6-10 | Database Inventory | VOC, SOC |
| 363 | Shelving Manufacturers | 6-10 | Database Inventory | VOC |
| 364 | Home Builders | 6-10 | Database Inventory | IOC, VOC, SOC |
| 365 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 366 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 367 | Automobile Dealers-Used Cars | 6-10 | Database Inventory | VOC, SOC |
| 368 | Electric Equipment & Supplies-Wholesale | 6-10 | Database Inventory | IOC, VOC |
| 369 | Truck-Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 370 | Concrete Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 371 | Cleaners | 6-10 | Database Inventory | VOC |
| 372 | Lawn Mowers-Sharpen & Repair | 6-10 | Database Inventory | IOC, VOC, SOC |
| 373 | Automobile Body-Repairing & Painting | 6-10 | Database Inventory | IOC, VOC, SOC |
| 374 | Playground Equipment Manufacturers | 6-10 | Database Inventory | IOC, VOC, SOC |
| 375 | Snow Removal Equipment Retail | 6-10 | Database Inventory | VOC, SOC |
| 376 | Decals Manufacturers | 6-10 | Database Inventory | IOC, VOC, SOC |
| 377 | Janitors Supplies (Wholesale) | 6-10 | Database Inventory | VOC |
| 378 | Crop Planting Cultivating & Protection | 6-10 | Database Inventory | IOC, VOC, SOC |
| 379 | Laboratories-Dental | 6-10 | Database Inventory | IOC, VOC, SOC, Microbials |
| 380 | Laboratories-Dental | 6-10 | Database Inventory | IOC, VOC, SOC, Microbials |

| Site | Source Description[1] | TOT Zone (in years)[2] | Source Information | Potential Contaminants[3] |
|---|---|---|---|---|
| 381 | Truck-Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 382 | Automobile Dealers-Used Cars | 6-10 | Database Inventory | VOC, SOC |
| 383 | Fire Damage Restoration | 6-10 | Database Inventory | VOC, SOC |
| 384 | Converted Paper/Paperboard Products | 6-10 | Database Inventory | SOC |
| 385 | Goldsmiths & Silversmiths | 6-10 | Database Inventory | IOC, VOC |
| 386 | Fuel Injection Equipment Repair | 6-10 | Database Inventory | IOC, VOC, SOC |
| 387 | Printers | 6-10 | Database Inventory | VOC |
| 388 | Landscape Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 389 | Motorcycles & Motor Scooters-Repair & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 390 | Recreational Vehicles-Repair & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 391 | Logging Companies | 6-10 | Database Inventory | VOC, SOC |
| 392 | Powder Coatings Manufacturers | 6-10 | Database Inventory | IOC, VOC, SOC |
| 393 | Paint-Retail | 6-10 | Database Inventory | VOC |
| 394 | Railroads | 6-10 | Database Inventory | IOC, VOC, SOC, Microbials |
| 395 | Veterinarians | 6-10 | Database Inventory | IOC, VOC, Microbials |
| 396 | Taxicabs | 6-10 | Database Inventory | VOC, SOC |
| 397 | Water Treatment Equip Service & Supplies | 6-10 | Database Inventory | IOC, SOC |
| 398 | Machine Shops | 6-10 | Database Inventory | IOC, VOC, SOC |
| 399 | Drapery & Curtain Cleaners | 6-10 | Database Inventory | VOC |
| 400 | Electric Equipment & Supplies-Wholesale | 6-10 | Database Inventory | IOC, VOC |
| 401 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 402 | Castings-Metals | 6-10 | Database Inventory | IOC, VOC |
| 403 | Movers | 6-10 | Database Inventory | VOC, SOC |
| 404 | Automobile Renting & Leasing | 6-10 | Database Inventory | VOC, SOC |
| 405 | Automobile Body-Repairing & Painting | 6-10 | Database Inventory | IOC, VOC, SOC |
| 406 | Plants-Interior Design & Maintenance | 6-10 | Database Inventory | IOC, SOC |
| 407 | Janitor Service | 6-10 | Database Inventory | VOC |
| 408 | Batteries-Storage (Wholesale) | 6-10 | Database Inventory | IOC |
| 409 | Feed (Wholesale) | 6-10 | Database Inventory | IOC, SOC, Microbials |
| 410 | Plumbing Fixtures & Supplies (Wholesale) | 6-10 | Database Inventory | IOC, VOC, SOC |
| 411 | Commercial Printing | 6-10 | Database Inventory | IOC, VOC |
| 412 | Storage-Household & Commercial | 6-10 | Database Inventory | IOC, VOC, SOC |
| 413 | Water & Sewage Companies-Utility | 6-10 | Database Inventory | IOC, VOC, Microbials |
| 414 | Screen Printing | 6-10 | Database Inventory | VOC |
| 415 | Ice Cream & Frozen Desserts Manufacturers | 6-10 | Database Inventory | IOC, Microbials |
| 416 | Auto Seatcovers Tops & Upholstery | 6-10 | Database Inventory | VOC, SOC |
| 417 | Oils-Fuel (Wholesale) | 6-10 | Database Inventory | VOC, SOC |
| 418 | Fire Departments | 6-10 | Database Inventory | VOC, SOC |
| 419 | Fire Departments | 6-10 | Database Inventory | VOC, SOC |
| 420 | Fire Damage Restoration | 6-10 | Database Inventory | VOC, SOC |
| 421 | Fire Departments | 6-10 | Database Inventory | VOC, SOC |
| 422 | Fire Protection Equipment & Supplies | 6-10 | Database Inventory | VOC, SOC |
| 423 | Welding | 6-10 | Database Inventory | IOC, VOC |
| 424 | Material Handling Equipment (Wholesale) | 6-10 | Database Inventory | IOC, VOC, SOC |
| 425 | Sun Rooms | 6-10 | Database Inventory | IOC, VOC |

| Site | Source Description[1] | TOT Zone (in years)[2] | Source Information | Potential Contaminants[3] |
|---|---|---|---|---|
| 426 | Home Builders | 6-10 | Database Inventory | IOC, VOC, SOC |
| 427 | Photographic Equipment-Repair | 6-10 | Database Inventory | VOC |
| 428 | Tire-Dealers Retail | 6-10 | Database Inventory | VOC, SOC |
| 429 | Signs Manufacturers | 6-10 | Database Inventory | IOC, VOC, SOC |
| 430 | Bags-Plastic (Manufacturers) | 6-10 | Database Inventory | VOC, SOC |
| 431 | Paving Contractors | 6-10 | Database Inventory | VOC, SOC |
| 432 | General Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 433 | Livestock Hauling | 6-10 | Database Inventory | VOC, SOC |
| 434 | Building Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 435 | Paint-Retail | 6-10 | Database Inventory | VOC |
| 436 | Automobile Parts & Supplies-Retail | 6-10 | Database Inventory | VOC, SOC |
| 437 | Signs Manufacturers | 6-10 | Database Inventory | IOC, VOC, SOC |
| 438 | General Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 439 | Storage-Household & Commercial | 6-10 | Database Inventory | IOC, VOC, SOC |
| 440 | Wrecker Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 441 | Storage-Household & Commercial | 6-10 | Database Inventory | IOC, VOC, SOC |
| 442 | Tile-Ceramic-Contractors & Dealers | 6-10 | Database Inventory | VOC, SOC |
| 443 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 444 | Septic Tanks-Cleaning & Repair | 6-10 | Database Inventory | IOC, VOC, Microbials |
| 445 | Tree Service | 6-10 | Database Inventory | VOC, SOC |
| 446 | Signs Manufacturers | 6-10 | Database Inventory | IOC, VOC, SOC |
| 447 | Publishers-Periodical | 6-10 | Database Inventory | IOC, VOC |
| 448 | Photographers-Portrait | 6-10 | Database Inventory | VOC |
| 449 | Home Improvements | 6-10 | Database Inventory | IOC, VOC, SOC |
| 450 | Concrete Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 451 | Carpet & Rug Cleaners | 6-10 | Database Inventory | VOC |
| 452 | Wrecker Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 453 | Janitor Service | 6-10 | Database Inventory | VOC |
| 454 | Recreational Vehicles | 6-10 | Database Inventory | VOC, SOC |
| 455 | Laboratories-Dental | 6-10 | Database Inventory | IOC, VOC, SOC, Microbials |
| 456 | Lawn Mowers | 6-10 | Database Inventory | VOC, SOC |
| 457 | Chemicals (Wholesale) | 6-10 | Database Inventory | IOC, VOC, SOC |
| 458 | Automobile Dealers-Used Cars | 6-10 | Database Inventory | VOC, SOC |
| 459 | Hydraulic Equipment & Supplies (Wholesale) | 6-10 | Database Inventory | VOC, SOC |
| 460 | Barbers Equipment & Supplies Manufacturers | 6-10 | Database Inventory | VOC, SOC |
| 461 | Canvas Goods Manufacturers | 6-10 | Database Inventory | VOC |
| 462 | Ambulance Service | 6-10 | Database Inventory | VOC, SOC |
| 463 | Water Treatment Equip Service & Supplies | 6-10 | Database Inventory | IOC, SOC |
| 464 | Fire Departments | 6-10 | Database Inventory | VOC, SOC |
| 465 | Foundries-Steel | 6-10 | Database Inventory | IOC, VOC, SOC |
| 466 | Parking Area Maintenance & Marking | 6-10 | Database Inventory | VOC, SOC |
| 467 | Hospitals | 6-10 | Database Inventory | IOC, SOC, Microbials |
| 468 | Parking Area Maintenance & Marking | 6-10 | Database Inventory | VOC, SOC |
| 469 | Water & Sewage Companies-Utility | 6-10 | Database Inventory | IOC, VOC, Microbials |
| 470 | Livestock Auction Markets | 6-10 | Database Inventory | IOC, Microbials |
| 471 | Truck Equipment & Parts (Wholesale) | 6-10 | Database Inventory | VOC, SOC |
| 472 | Steel Fabricators | 6-10 | Database Inventory | IOC, VOC |
| 473 | Trailers-Truck (Wholesale) | 6-10 | Database Inventory | VOC, SOC |
| 474 | Radio/TV Broadcast/Communications Equipment | 6-10 | Database Inventory | VOC, SOC |

| Site | Source Description[1] | TOT Zone (in years)[2] | Source Information | Potential Contaminants[3] |
|---|---|---|---|---|
| 475 | Photo Finishing-Retail | 6-10 | Database Inventory | VOC |
| 476 | Snow Removal Service | 6-10 | Database Inventory | VOC, SOC |
| 477 | Trailer-Manufacturers | 6-10 | Database Inventory | IOC, VOC, SOC |
| 478 | Prefabricated Metal Buildings Manufacturers | 6-10 | Database Inventory | IOC, VOC, SOC |
| 479 | Storage-Household & Commercial | 6-10 | Database Inventory | IOC, VOC, SOC |
| 480 | Automobile Dealers-Used Cars | 6-10 | Database Inventory | VOC, SOC |
| 481 | Sewage Disposal Systems | 6-10 | Database Inventory | IOC, VOC, SOC, Microbials |
| 482 | Excavating Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 483 | Grain Elevators | 6-10 | Database Inventory | IOC, SOC, Microbials |
| 484 | Tire-Dealers Retail | 6-10 | Database Inventory | VOC, SOC |
| 485 | Automobile Dealers-Used Cars | 6-10 | Database Inventory | VOC, SOC |
| 486 | Machine Shops | 6-10 | Database Inventory | IOC, VOC, SOC |
| 487 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 488 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 489 | Engravers-Glassware Manufacturers | 6-10 | Database Inventory | VOC, SOC |
| 490 | Automobile Dealers-Used Cars | 6-10 | Database Inventory | VOC, SOC |
| 491 | Cabinets Manufacturers | 6-10 | Database Inventory | VOC, SOC |
| 492 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 493 | Tile-Ceramic-Contractors & Dealers | 6-10 | Database Inventory | VOC, SOC |
| 494 | Motorcycles & Motor Scooters-Repair & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 495 | Publishers-Periodical | 6-10 | Database Inventory | IOC, VOC |
| 496 | General Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 497 | Potato Processing Equipment Manufacturers | 6-10 | Database Inventory | VOC, SOC |
| 498 | Lawn Mowers | 6-10 | Database Inventory | VOC, SOC |
| 499 | Auto Parts & Supplies Wholesale) | 6-10 | Database Inventory | VOC, SOC |
| 500 | Automobile Parts & Supplies-Retail | 6-10 | Database Inventory | VOC, SOC |
| 501 | Painters | 6-10 | Database Inventory | VOC |
| 502 | Paving Contractors | 6-10 | Database Inventory | VOC, SOC |
| 503 | Dresses Manufacturers | 6-10 | Database Inventory | VOC |
| 504 | Veterinarians | 6-10 | Database Inventory | IOC, VOC, Microbials |
| 505 | Stereophonic & High Fidelity Equipment | 6-10 | Database Inventory | IOC, VOC |
| 506 | Tree Service | 6-10 | Database Inventory | VOC, SOC |
| 507 | Lawn Maintenance | 6-10 | Database Inventory | IOC, SOC |
| 508 | Tire-Dealers Retail | 6-10 | Database Inventory | VOC, SOC |
| 509 | Tire-Dealers Retail | 6-10 | Database Inventory | VOC, SOC |
| 510 | Transmissions-Automobile | 6-10 | Database Inventory | IOC, VOC, SOC |
| 511 | Wheel Alignment-Frame & Axle Service | 6-10 | Database Inventory | VOC, SOC |
| 512 | Welding Equipment & Supplies (Wholesale) | 6-10 | Database Inventory | IOC, VOC |
| 513 | Sporting Goods Manufacturers | 6-10 | Database Inventory | VOC |
| 514 | Printers | 6-10 | Database Inventory | VOC |
| 515 | Home Builders | 6-10 | Database Inventory | IOC, VOC, SOC |
| 516 | Automobile Body-Repairing & Painting | 6-10 | Database Inventory | IOC, VOC, SOC |
| 517 | Wrecker Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 518 | Sportswear-Mens Manufacturers | 6-10 | Database Inventory | VOC |
| 519 | General Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 520 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |

| Site | Source Description[1] | TOT Zone (in years)[2] | Source Information | Potential Contaminants[3] |
|---|---|---|---|---|
| 521 | Tile-Ceramic-Contractors & Dealers | 6-10 | Database Inventory | VOC, SOC |
| 522 | Drilling & Boring Contractors | 6-10 | Database Inventory | VOC |
| 523 | Ornamental Metal Work Manufacturers | 6-10 | Database Inventory | IOC, VOC |
| 524 | Dairy Products-Wholesale | 6-10 | Database Inventory | IOC, Microbials |
| 525 | Mufflers & Exhaust Systems-Engine | 6-10 | Database Inventory | IOC, VOC, SOC |
| 526 | Typesetting (Manufacturers) | 6-10 | Database Inventory | VOC |
| 527 | Movers | 6-10 | Database Inventory | VOC, SOC |
| 528 | Mufflers & Exhaust Systems-Engine | 6-10 | Database Inventory | IOC, VOC, SOC |
| 529 | Trucking-Motor Freight | 6-10 | Database Inventory | VOC, SOC |
| 530 | Concrete Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 531 | Ornamental Metal Work Manufacturers | 6-10 | Database Inventory | IOC, VOC |
| 532 | Wrecker Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 533 | Storage-Household & Commercial | 6-10 | Database Inventory | IOC, VOC, SOC |
| 534 | Trucking-Heavy Hauling | 6-10 | Database Inventory | VOC, SOC |
| 535 | Livestock-Dealers (Wholesale) | 6-10 | Database Inventory | IOC, Microbials |
| 536 | Truck Equipment & Parts (Wholesale) | 6-10 | Database Inventory | VOC, SOC |
| 537 | State Government-National Security | 6-10 | Database Inventory | VOC, SOC |
| 538 | Wrecker Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 539 | Landscape Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 540 | Automobile Parts & Supplies-Retail | 6-10 | Database Inventory | VOC, SOC |
| 541 | Veterinarians | 6-10 | Database Inventory | IOC, VOC, Microbials |
| 542 | Laboratories-Dental | 6-10 | Database Inventory | IOC, VOC, SOC, Microbials |
| 543 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 544 | Veterinarians | 6-10 | Database Inventory | IOC, VOC, Microbials |
| 545 | Artificial Limbs-Manufacturers | 6-10 | Database Inventory | VOC |
| 546 | Printers | 6-10 | Database Inventory | VOC |
| 547 | Veterinarians | 6-10 | Database Inventory | IOC, VOC, Microbials |
| 548 | Photographers-Portrait | 6-10 | Database Inventory | VOC |
| 549 | Photo Finishing-Retail | 6-10 | Database Inventory | VOC |
| 550 | Photo Finishing-Retail | 6-10 | Database Inventory | VOC |
| 551 | Service Stations-Gasoline & Oil | 6-10 | Database Inventory | VOC, SOC |
| 552 | General Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 553 | Recycling Centers (Wholesale) | 6-10 | Database Inventory | IOC, VOC, SOC |
| 554 | Brake Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 555 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 556 | Drapery & Curtain Cleaners | 6-10 | Database Inventory | VOC |
| 557 | Automobile Parts & Supplies-Retail | 6-10 | Database Inventory | VOC, SOC |
| 558 | Remodeling/Repairing Building Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 559 | General Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 560 | Gas Companies | 6-10 | Database Inventory | VOC, SOC |
| 561 | Delivery Service | 6-10 | Database Inventory | VOC, SOC |
| 562 | Barbers Equipment & Supplies (Wholesale) | 6-10 | Database Inventory | VOC, SOC |
| 563 | Auto Machine Shop Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 564 | Photo Finishing-Retail | 6-10 | Database Inventory | VOC |
| 565 | Pest Control | 6-10 | Database Inventory | SOC |
| 566 | Golf Courses-Public | 6-10 | Database Inventory | IOC, VOC, SOC |
| 567 | Home Builders | 6-10 | Database Inventory | IOC, VOC, SOC |
| 568 | Plastics-High Pressure Laminates | 6-10 | Database Inventory | VOC, SOC |
| 569 | Printers | 6-10 | Database Inventory | VOC |

| Site | Source Description[1] | TOT Zone (in years)[2] | Source Information | Potential Contaminants[3] |
|---|---|---|---|---|
| 570 | Newspapers (Publishers) | 6-10 | Database Inventory | IOC, VOC |
| 571 | Boat Repairing | 6-10 | Database Inventory | IOC, VOC, SOC |
| 572 | Automobile Body-Repairing & Painting | 6-10 | Database Inventory | IOC, VOC, SOC |
| 573 | Automobile Body-Repairing & Painting | 6-10 | Database Inventory | IOC, VOC, SOC |
| 574 | Hardware (Wholesale) | 6-10 | Database Inventory | IOC, VOC, SOC |
| 575 | Excavating Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 576 | Boat Dealers | 6-10 | Database Inventory | VOC, SOC |
| 577 | Printers | 6-10 | Database Inventory | VOC |
| 578 | Automobile Body-Repairing & Painting | 6-10 | Database Inventory | IOC, VOC, SOC |
| 579 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 580 | Relays & Industrial Controls Manufacturers | 6-10 | Database Inventory | VOC, SOC |
| 581 | Trailers-Camping & Travel | 6-10 | Database Inventory | VOC, SOC |
| 582 | Snow Removal Equipment Retail | 6-10 | Database Inventory | VOC, SOC |
| 583 | General Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 584 | Industrial Measuring Manufacturers | 6-10 | Database Inventory | VOC, SOC |
| 585 | Rental Service-Stores & Yards | 6-10 | Database Inventory | VOC, SOC |
| 586 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 587 | Painters | 6-10 | Database Inventory | VOC |
| 588 | Four Wheel Drive-Repair & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 589 | Landscape Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 590 | Storage-Household & Commercial | 6-10 | Database Inventory | IOC, VOC, SOC |
| 591 | Automobile Parts & Supplies-Retail | 6-10 | Database Inventory | VOC, SOC |
| 592 | Bicycles-Dealers | 6-10 | Database Inventory | VOC, SOC |
| 593 | General Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 594 | Rope Manufacturers | 6-10 | Database Inventory | VOC, SOC |
| 595 | Brick-Clay Common & Face Manufacturers | 6-10 | Database Inventory | IOC, VOC, SOC |
| 596 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 597 | Automobile Dealers-New Cars | 6-10 | Database Inventory | VOC, SOC |
| 598 | Auto Parts-Used & Rebuilt (Wholesale) | 6-10 | Database Inventory | VOC, SOC |
| 599 | Bicycles-Dealers | 6-10 | Database Inventory | VOC, SOC |
| 600 | Florists-Supplies (Wholesale) | 6-10 | Database Inventory | IOC |
| 601 | Automobile Parts & Supplies-Retail | 6-10 | Database Inventory | VOC, SOC |
| 602 | Truck Renting & Leasing | 6-10 | Database Inventory | VOC, SOC |
| 603 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 604 | Automobile Body-Repairing & Painting | 6-10 | Database Inventory | IOC, VOC, SOC |
| 605 | Printers | 6-10 | Database Inventory | VOC |
| 606 | Campgrounds | 6-10 | Database Inventory | IOC, VOC, SOC, Microbials |
| 607 | Paint-Retail | 6-10 | Database Inventory | VOC |
| 608 | General Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 609 | Signs Manufacturers | 6-10 | Database Inventory | IOC, VOC, SOC |
| 610 | Bicycles-Dealers | 6-10 | Database Inventory | VOC, SOC |
| 611 | Signs Manufacturers | 6-10 | Database Inventory | IOC, VOC, SOC |
| 612 | Automobile Dealers-New Cars | 6-10 | Database Inventory | VOC, SOC |
| 613 | Bathtubs & Sinks-Repair & Refinish | 6-10 | Database Inventory | IOC, VOC, SOC |
| 614 | Laboratories-Medical | 6-10 | Database Inventory | IOC, VOC, SOC, Microbials |
| 615 | Photographers-Portrait | 6-10 | Database Inventory | VOC |

| Site | Source Description[1] | TOT Zone (in years)[2] | Source Information | Potential Contaminants[3] |
|---|---|---|---|---|
| 616 | Car Washing & Polishing | 6-10 | Database Inventory | IOC, VOC, SOC, Microbials |
| 617 | Washers-Pressure | 6-10 | Database Inventory | IOC, VOC, SOC, Microbials |
| 618 | Electric Equipment & Supplies-Wholesale | 6-10 | Database Inventory | IOC, VOC |
| 619 | Landscape Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 620 | General Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 621 | Transmissions-Truck Tractor Etc | 6-10 | Database Inventory | VOC, SOC |
| 622 | Paint-Retail | 6-10 | Database Inventory | VOC |
| 623 | Machine Shops | 6-10 | Database Inventory | IOC, VOC, SOC |
| 624 | Machine Shops | 6-10 | Database Inventory | IOC, VOC, SOC |
| 625 | Tile-Ceramic-Contractors & Dealers | 6-10 | Database Inventory | VOC, SOC |
| 626 | Farm Supplies (Wholesale) | 6-10 | Database Inventory | IOC, VOC, SOC |
| 627 | Auto Radiator-Repair | 6-10 | Database Inventory | IOC, VOC, SOC |
| 628 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 629 | Photographers-Portrait | 6-10 | Database Inventory | VOC |
| 630 | Veterinarians | 6-10 | Database Inventory | IOC, VOC, Microbials |
| 631 | Puzzles Manufacturers | 6-10 | Database Inventory | VOC |
| 632 | Steel Fabricators | 6-10 | Database Inventory | IOC, VOC |
| 633 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 634 | Campgrounds | 6-10 | Database Inventory | IOC, VOC, SOC, Microbials |
| 635 | Veterinarians | 6-10 | Database Inventory | IOC, VOC, Microbials |
| 636 | Carpet & Rug Cleaners | 6-10 | Database Inventory | VOC |
| 637 | Car Washing & Polishing | 6-10 | Database Inventory | IOC, VOC, SOC, Microbials |
| 638 | Painters | 6-10 | Database Inventory | VOC |
| 639 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 640 | Cleaners | 6-10 | Database Inventory | VOC |
| 641 | Laboratories-Medical | 6-10 | Database Inventory | IOC, VOC, SOC, Microbials |
| 642 | X-Ray Laboratories-Medical | 6-10 | Database Inventory | IOC, VOC, SOC |
| 643 | Auto Detail & Clean-Up Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 644 | Newspapers (Publishers) | 6-10 | Database Inventory | IOC, VOC |
| 645 | General Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 646 | Recycling Centers (Wholesale) | 6-10 | Database Inventory | IOC, VOC, SOC |
| 647 | General Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 648 | Fire Damage Restoration | 6-10 | Database Inventory | VOC, SOC |
| 649 | Pet Services | 6-10 | Database Inventory | IOC, Microbials |
| 650 | Automobile Body-Repairing & Painting | 6-10 | Database Inventory | IOC, VOC, SOC |
| 651 | Tractor-Dealers (Wholesale) | 6-10 | Database Inventory | VOC, SOC |
| 652 | Laboratories-Dental | 6-10 | Database Inventory | IOC, VOC, SOC, Microbials |
| 653 | Laboratories-Dental | 6-10 | Database Inventory | IOC, VOC, SOC, Microbials |
| 654 | Janitor Service | 6-10 | Database Inventory | VOC |
| 655 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 656 | Publishers-Directory & Guide | 6-10 | Database Inventory | IOC, VOC |
| 657 | Automobile Renting & Leasing | 6-10 | Database Inventory | VOC, SOC |
| 658 | Trucking-Motor Freight | 6-10 | Database Inventory | VOC, SOC |
| 659 | Truck Renting & Leasing | 6-10 | Database Inventory | VOC, SOC |
| 660 | Truck Renting & Leasing | 6-10 | Database Inventory | VOC, SOC |
| 661 | Truck Renting & Leasing | 6-10 | Database Inventory | VOC, SOC |
| 662 | Truck Renting & Leasing | 6-10 | Database Inventory | VOC, SOC |
| 663 | Microfilm Service Equipment & Supplies | 6-10 | Database Inventory | VOC |
| 664 | Federal Government-National Security | 6-10 | Database Inventory | VOC, SOC |
| 665 | Service Stations-Gasoline & Oil | 6-10 | Database Inventory | VOC, SOC |

| Site | Source Description[1] | TOT Zone (in years)[2] | Source Information | Potential Contaminants[3] |
|---|---|---|---|---|
| 666 | Snowmobiles | 6-10 | Database Inventory | VOC, SOC |
| 667 | Printers | 6-10 | Database Inventory | VOC |
| 668 | Auto Parts-Used & Rebuilt (Wholesale) | 6-10 | Database Inventory | VOC, SOC |
| 669 | Sheet Metal Work Contractors | 6-10 | Database Inventory | IOC, VOC |
| 670 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 671 | General Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 672 | Excavating Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 673 | Excavating Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 674 | Automobile Repairing & Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 675 | Dairies | 6-10 | Database Inventory | IOC, Microbials |
| 676 | Trucking-Heavy Hauling | 6-10 | Database Inventory | VOC, SOC |
| 677 | Controls Systems/Regulators | 6-10 | Database Inventory | IOC, VOC, SOC |
| 678 | Wheels | 6-10 | Database Inventory | VOC, SOC |
| 679 | Ornamental Metal Work Manufacturers | 6-10 | Database Inventory | IOC, VOC |
| 680 | General Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 681 | Veterinarians | 6-10 | Database Inventory | IOC, VOC, Microbials |
| 682 | Lawn & Garden Equipment & Supplies | 6-10 | Database Inventory | IOC, SOC |
| 683 | Funeral Directors | 6-10 | Database Inventory | VOC |
| 684 | Automobile Dealers-Used Cars | 6-10 | Database Inventory | VOC, SOC |
| 685 | Oils-Fuel (Wholesale) | 6-10 | Database Inventory | VOC, SOC |
| 686 | Roofing Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 687 | Service Stations-Gasoline & Oil | 6-10 | Database Inventory | VOC, SOC |
| 688 | Service Stations-Gasoline & Oil | 6-10 | Database Inventory | VOC, SOC |
| 689 | Automobile Lubrication Service | 6-10 | Database Inventory | IOC, VOC, SOC |
| 690 | Signs Manufacturers | 6-10 | Database Inventory | IOC, VOC, SOC |
| 691 | Printers | 6-10 | Database Inventory | VOC |
| 692 | Boilers-Repairing & Cleaning | 6-10 | Database Inventory | VOC |
| 693 | Signs (Manufacturers) | 6-10 | Database Inventory | IOC, VOC, SOC |
| 694 | Parking Area Maintenance | 6-10 | Database Inventory | VOC, SOC |
| 695 | General Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 696 | General Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 697 | Transportation | 6-10 | Database Inventory | VOC, SOC |
| 698 | Retailers | 6-10 | Database Inventory | IOC, Microbials |
| 699 | Retail - Grocery | 6-10 | Database Inventory | IOC, Microbials |
| 700 | Cabinets-Manufacturers | 6-10 | Database Inventory | VOC, SOC |
| 701 | Retailer-Applicances | 6-10 | Database Inventory | VOC |
| 702 | Mechanical Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 703 | Coatings-Protective-Manufacturer | 6-10 | Database Inventory | VOC |
| 704 | Cabinet Makers | 6-10 | Database Inventory | VOC, SOC |
| 705 | Concrete Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 706 | Carpet & Upholstery | 6-10 | Database Inventory | VOC |
| 707 | Overhead Doors | 6-10 | Database Inventory | IOC, VOC |
| 708 | Concrete Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 709 | Refrigerating Equipment-Commercial | 6-10 | Database Inventory | VOC |
| 710 | General Contractors | 6-10 | Database Inventory | IOC, VOC, SOC |
| 711 | Electric Equipment & Supplies | 6-10 | Database Inventory | IOC, VOC |
| 712 | Storage | 6-10 | Database Inventory | IOC, VOC, SOC |
| 713 | Lawn Maintenance | 6-10 | Database Inventory | IOC, SOC |
| 714 | Printing | 6-10 | Database Inventory | IOC, VOC |
| 715 | Toxic Release Inventory | 6-10 | Database Inventory | VOC, SOC |

| Site | Source Description[1] | TOT Zone (in years)[2] | Source Information | Potential Contaminants[3] |
|---|---|---|---|---|
| 716 | CERCLA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 717 | CERCLA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 718 | RCRA Site | 6-10 | Database Inventory | VOC, SOC |
| 719 | RCRA Site | 6-10 | Database Inventory | VOC, SOC |
| 720 | RCRA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 721 | RCRA Site | 6-10 | Database Inventory | VOC |
| 722 | RCRA Site | 6-10 | Database Inventory | VOC, SOC |
| 723 | RCRA Site | 6-10 | Database Inventory | VOC |
| 724 | RCRA Site | 6-10 | Database Inventory | VOC |
| 725 | RCRA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 726 | RCRA Site | 6-10 | Database Inventory | VOC |
| 727 | RCRA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 728 | RCRA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 729 | RCRA Site | 6-10 | Database Inventory | VOC, SOC |
| 730 | RCRA Site | 6-10 | Database Inventory | IOC, VOC, SOC, Microbials |
| 731 | RCRA Site | 6-10 | Database Inventory | VOC, SOC |
| 732 | RCRA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 733 | RCRA Site | 6-10 | Database Inventory | IOC, VOC, SOC, Microbials |
| 734 | RCRA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 735 | RCRA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 736 | RCRA Site | 6-10 | Database Inventory | VOC |
| 737 | RCRA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 738 | RCRA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 739 | RCRA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 740 | RCRA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 741 | RCRA Site | 6-10 | Database Inventory | VOC |
| 742 | RCRA Site | 6-10 | Database Inventory | VOC, SOC |
| 743 | RCRA Site | 6-10 | Database Inventory | IOC, VOC |
| 744 | RCRA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 745 | RCRA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 746 | RCRA Site | 6-10 | Database Inventory | VOC |
| 747 | RCRA Site | 6-10 | Database Inventory | VOC, SOC |
| 748 | RCRA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 749 | RCRA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 750 | RCRA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 751 | RCRA Site | 6-10 | Database Inventory | IOC, Microbials |
| 752 | Mine/Quarry | 6-10 | Database Inventory | IOC, VOC, SOC |
| 753 | Mine/Quarry | 6-10 | Database Inventory | IOC, VOC, SOC |
| 754 | Mine/Quarry | 6-10 | Database Inventory | IOC, VOC, SOC |
| 755 | Mine/Quarry | 6-10 | Database Inventory | IOC, VOC, SOC |
| 756 | Mine/Quarry | 6-10 | Database Inventory | IOC, VOC, SOC |
| 757 | Mine/Quarry | 6-10 | Database Inventory | IOC, VOC, SOC |
| 758 | Mine/Quarry | 6-10 | Database Inventory | IOC, VOC, SOC |
| 759 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 760 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 761 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 762 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 763 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 764 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 765 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 766 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 767 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 768 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |

| Site | Source Description[1] | TOT Zone (in years)[2] | Source Information | Potential Contaminants[3] |
|---|---|---|---|---|
| 769 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 770 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 771 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 772 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 773 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 774 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 775 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 776 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 777 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 778 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 779 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 780 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 781 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 782 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 783 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 784 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 785 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 786 | Deep Injection Well | 6-10 | Database Inventory | IOC, VOC, SOC |
| 787 | SARA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 788 | SARA Site | 6-10 | Database Inventory | VOC, SOC |
| 789 | SARA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 790 | SARA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 791 | SARA Site | 6-10 | Database Inventory | IOC, VOC |
| 792 | SARA Site | 6-10 | Database Inventory | IOC |
| 793 | SARA Site | 6-10 | Database Inventory | VOC, SOC |
| 794 | SARA Site | 6-10 | Database Inventory | IOC, VOC, SOC, Microbials |
| 795 | SARA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 796 | SARA Site | 6-10 | Database Inventory | IOC, VOC |
| 797 | SARA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 798 | SARA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 799 | SARA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 800 | SARA Site | 6-10 | Database Inventory | VOC, SOC |
| 801 | SARA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 802 | SARA Site | 6-10 | Database Inventory | VOC, SOC |
| 803 | SARA Site | 6-10 | Database Inventory | VOC, SOC |
| 804 | SARA Site | 6-10 | Database Inventory | VOC, SOC |
| 805 | SARA Site | 6-10 | Database Inventory | VOC, SOC |
| 806 | SARA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 807 | SARA Site | 6-10 | Database Inventory | VOC, SOC |
| 808 | SARA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 809 | SARA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 810 | SARA Site | 6-10 | Database Inventory | VOC, SOC |
| 811 | SARA Site | 6-10 | Database Inventory | IOC, VOC, SOC |
| 812 | SARA Site | 6-10 | Database Inventory | VOC, SOC |
| 813 | Recharge Point | 6-10 | Database Inventory | IOC, VOC, SOC |
| 814 | Recharge Point | 6-10 | Database Inventory | IOC, VOC, SOC |
| 815 | AST Site | 6-10 | Database Inventory | VOC, SOC |
| 816 | AST Site | 6-10 | Database Inventory | VOC, SOC |
| 817 | AST Site | 6-10 | Database Inventory | VOC, SOC |
| 818 | AST Site | 6-10 | Database Inventory | VOC, SOC |
| 819 | AST Site | 6-10 | Database Inventory | VOC, SOC |
| 820 | Group 1 Site | 6-10 | Database Inventory | VOC |
| 821 | Landfill | 6-10 | Database Inventory | IOC, VOC, SOC |

| Site | Source Description[1] | TOT Zone (in years)[2] | Source Information | Potential Contaminants[3] |
|---|---|---|---|---|
| 822 | Landfill | 6-10 | Database Inventory | IOC, VOC, SOC |
| 823 | Landfill | 6-10 | Database Inventory | IOC, VOC, SOC |
| 824 | Landfill | 6-10 | Database Inventory | IOC, VOC, SOC |

**Site # are non-sequential**

**[1] SARA = Superfund Amendments and Reauthorization Act, RCRA = Resource Conservation Recovery Act, CERCLA = Comprehensive Environmental Response Compensation and Liability Act, NPDES = National Pollutant Discharge Elimination System, UST = underground storage tank, LUST = leaking underground storage tank AST = aboveground storage tank**

**[2]TOT = time-of-travel (in years) for a potential contaminant to reach the wellhead**

**[3] IOC = inorganic chemical, VOC = volatile organic chemical, SOC = synthetic organic chemical**

# APPENDIX B

# City of Firth
# Delineation and Potential Contaminant Source Location Map

# APPENDIX C

# City of Firth
# Susceptibility Analysis Worksheets

The final scores for the susceptibility analysis were determined using the following formulas:

1) VOC/SOC/IOC Final Score = Hydrologic Sensitivity + System Construction + (Potential Contaminant/Land Use x 0.2)

2) Microbial Final Score = Hydrologic Sensitivity + System Construction + (Potential Contaminant/Land Use x 0.375)

Final Susceptibility Scoring:

0 - 5 Low Susceptibility

6 - 12 Moderate Susceptibility

³ 13 High Susceptibility

Ground Water Susceptibility Report  Public Water System Name: CITY OF FIRTH  WELL #1
Public Water System Number 6060016  11/26/02 9:28:28 AM

| 1. System Construction | | SCORE |
|---|---|---|
| Drill Date | 10/26/35 | |
| Driller Log Available | NO | |
| Sanitary Survey (if yes, indicate date of last survey) | YES | 2002 |
| Well meets IDWR construction standards | NO | 1 |
| Wellhead and surface seal maintained | NO | 1 |
| Casing and annular seal extend to low permeability unit | NO | 2 |
| Highest production 100 feet below static water level | NO | 1 |
| Well located outside the 100 year flood plain | NO | 1 |
| | Total System Construction Score | 6 |

| 2. Hydrologic Sensitivity | | |
|---|---|---|
| Soils are poorly to moderately drained | NO | 2 |
| Vadose zone composed of gravel, fractured rock or unknown | YES | 1 |
| Depth to first water > 300 feet | NO | 1 |
| Aquitard present with > 50 feet cumulative thickness | NO | 2 |
| | Total Hydrologic Score | 6 |

| 3. Potential Contaminant / Land Use - ZONE 1A | | IOC Score | VOC Score | SOC Score | Microbial Score |
|---|---|---|---|---|---|
| Land Use Zone 1A | IRRIGATED CROPLAND | 2 | 2 | 2 | 2 |
| Farm chemical use high | YES | 2 | 0 | 2 | |
| IOC, VOC, SOC, or Microbial sources in Zone 1A | YES | NO | YES | YES | NO |
| Total Potential Contaminant Source/Land Use Score - Zone 1A | | 4 | 2 | 4 | 2 |
| **Potential Contaminant / Land Use - ZONE 1B** | | | | | |
| Contaminant sources present (Number of Sources) | YES | 29 | 51 | 39 | 11 |
| (Score = # Sources X 2 ) 8 Points Maximum | | 8 | 8 | 8 | 8 |
| Sources of Class II or III leacheable contaminants or | YES | 30 | 51 | 18 | |
| 4 Points Maximum | | 4 | 4 | 4 | |
| Zone 1B contains or intercepts a Group 1 Area | YES | 0 | 0 | 2 | 0 |
| Land use Zone 1B | Greater Than 50% Irrigated Agricultural Land | 4 | 4 | 4 | 4 |
| Total Potential Contaminant Source / Land Use Score - Zone 1B | | 16 | 16 | 18 | 12 |
| **Potential Contaminant / Land Use - ZONE II** | | | | | |
| Contaminant Sources Present | YES | 2 | 2 | 2 | |
| Sources of Class II or III leacheable contaminants or | YES | 1 | 1 | 1 | |
| Land Use Zone II | Greater Than 50% Irrigated Agricultural Land | 2 | 2 | 2 | |
| Potential Contaminant Source / Land Use Score - Zone II | | 5 | 5 | 5 | 0 |
| **Potential Contaminant / Land Use - ZONE III** | | | | | |
| Contaminant Source Present | YES | 1 | 1 | 1 | |
| Sources of Class II or III leacheable contaminants or | YES | 1 | 1 | 1 | |
| Is there irrigated agricultural lands that occupy > 50% of | NO | 0 | 0 | 0 | |
| Total Potential Contaminant Source / Land Use Score - Zone III | | 2 | 2 | 2 | 0 |
| **Cumulative Potential Contaminant / Land Use Score** | | 27 | 25 | 29 | 14 |
| **4. Final Susceptibility Source Score** | | 17 | 17 | 18 | 17 |
| **5. Final Well Ranking** | | High | High | High | High |

| 1. System Construction | | SCORE | | | |
|---|---|---|---|---|---|
| Drill Date | 10/17/61 | | | | |
| Driller Log Available | YES | | | | |
| Sanitary Survey (if yes, indicate date of last survey) | YES | 2002 | | | |
| Well meets IDWR construction standards | NO | 1 | | | |
| Wellhead and surface seal maintained | NO | 1 | | | |
| Casing and annular seal extend to low permeability unit | NO | 2 | | | |
| Highest production 100 feet below static water level | YES | 0 | | | |
| Well located outside the 100 year flood plain | NO | 1 | | | |
| | Total System Construction Score | 5 | | | |
| 2. Hydrologic Sensitivity | | | | | |
| Soils are poorly to moderately drained | NO | 2 | | | |
| Vadose zone composed of gravel, fractured rock or unknown | YES | 1 | | | |
| Depth to first water > 300 feet | NO | 1 | | | |
| Aquitard present with > 50 feet cumulative thickness | NO | 2 | | | |
| | Total Hydrologic Score | 6 | | | |
| 3. Potential Contaminant / Land Use - ZONE 1A | | IOC Score | VOC Score | SOC Score | Microbial Score |
| Land Use Zone 1A | IRRIGATED CROPLAND | 2 | 2 | 2 | 2 |
| Farm chemical use high | YES | 2 | 0 | 2 | |
| IOC, VOC, SOC, or Microbial sources in Zone 1A | YES | NO | YES | YES | NO |
| | Total Potential Contaminant Source/Land Use Score - Zone 1A | 4 | 2 | 4 | 2 |
| Potential Contaminant / Land Use - ZONE 1B | | | | | |
| Contaminant sources present (Number of Sources) | YES | 29 | 51 | 39 | 11 |
| (Score = # Sources X 2 ) 8 Points Maximum | | 8 | 8 | 8 | 8 |
| Sources of Class II or III leacheable contaminants or | YES | 30 | 51 | 18 | |
| 4 Points Maximum | | 4 | 4 | 4 | |
| Zone 1B contains or intercepts a Group 1 Area | YES | 0 | 0 | 2 | 0 |
| Land use Zone 1B | Greater Than 50% Irrigated Agricultural Land | 4 | 4 | 4 | 4 |
| | Total Potential Contaminant Source / Land Use Score - Zone 1B | 16 | 16 | 18 | 12 |
| Potential Contaminant / Land Use - ZONE II | | | | | |
| Contaminant Sources Present | YES | 2 | 2 | 2 | |
| Sources of Class II or III leacheable contaminants or | YES | 1 | 1 | 1 | |
| Land Use Zone II | Greater Than 50% Irrigated Agricultural Land | 2 | 2 | 2 | |
| | Potential Contaminant Source / Land Use Score - Zone II | 5 | 5 | 5 | 0 |
| Potential Contaminant / Land Use - ZONE III | | | | | |
| Contaminant Source Present | YES | 1 | 1 | 1 | |
| Sources of Class II or III leacheable contaminants or | YES | 1 | 1 | 1 | |
| Is there irrigated agricultural lands that occupy > 50% of | NO | 0 | 0 | 0 | |
| | Total Potential Contaminant Source / Land Use Score - Zone III | 2 | 2 | 2 | 0 |
| Cumulative Potential Contaminant / Land Use Score | | 27 | 25 | 29 | 14 |
| 4. Final Susceptibility Source Score | | 16 | 16 | 17 | 16 |
| 5. Final Well Ranking | | High | High | High | High |